

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n13 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	779.5	Edge_1RB_Left	20.84	/	/	16.04	/	/	<=34.77	Pass
		Edge_1RB_Right	20.92	/	/	16.12	/	/	<=34.77	Pass
		Outer_Full	20.78	/	/	15.98	/	/	<=34.77	Pass
		Inner_Full	21.44	/	/	16.64	/	/	<=34.77	Pass
		Inner_1RB_Left	21.38	/	/	16.58	/	/	<=34.77	Pass
		Inner_1RB_Right	21.36	/	/	16.56	/	/	<=34.77	Pass
	782	Edge_1RB_Left	21.02	/	/	16.22	/	/	<=34.77	Pass
		Edge_1RB_Right	21.15	/	/	16.35	/	/	<=34.77	Pass
		Outer_Full	21.20	/	/	16.40	/	/	<=34.77	Pass
		Inner_Full	21.76	/	/	16.96	/	/	<=34.77	Pass
		Inner_1RB_Left	21.59	/	/	16.79	/	/	<=34.77	Pass
		Inner_1RB_Right	21.73	/	/	16.93	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	20.85	/	/	16.05	/	/	<=34.77	Pass
		Edge_1RB_Right	20.80	/	/	16.00	/	/	<=34.77	Pass
		Outer_Full	20.86	/	/	16.06	/	/	<=34.77	Pass
		Inner_Full	21.38	/	/	16.58	/	/	<=34.77	Pass
		Inner_1RB_Left	21.32	/	/	16.52	/	/	<=34.77	Pass
		Inner_1RB_Right	21.31	/	/	16.51	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	779.5	Edge_1RB_Left	20.36	/	/	15.56	/	/	<=34.77	Pass
		Edge_1RB_Right	20.46	/	/	15.66	/	/	<=34.77	Pass
		Outer_Full	20.27	/	/	15.47	/	/	<=34.77	Pass
		Inner_Full	21.38	/	/	16.58	/	/	<=34.77	Pass
		Inner_1RB_Left	21.30	/	/	16.50	/	/	<=34.77	Pass
		Inner_1RB_Right	21.44	/	/	16.64	/	/	<=34.77	Pass
	782	Edge_1RB_Left	20.57	/	/	15.77	/	/	<=34.77	Pass
		Edge_1RB_Right	20.58	/	/	15.78	/	/	<=34.77	Pass
		Outer_Full	20.69	/	/	15.89	/	/	<=34.77	Pass
		Inner_Full	21.53	/	/	16.73	/	/	<=34.77	Pass
		Inner_1RB_Left	21.43	/	/	16.63	/	/	<=34.77	Pass
		Inner_1RB_Right	21.61	/	/	16.81	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	20.39	/	/	15.59	/	/	<=34.77	Pass
		Edge_1RB_Right	20.26	/	/	15.46	/	/	<=34.77	Pass
		Outer_Full	20.37	/	/	15.57	/	/	<=34.77	Pass
		Inner_Full	21.35	/	/	16.55	/	/	<=34.77	Pass
		Inner_1RB_Left	21.37	/	/	16.57	/	/	<=34.77	Pass
		Inner_1RB_Right	21.32	/	/	16.52	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	779.5	Edge_1RB_Left	19.33	/	/	14.53	/	/	<=34.77	Pass
		Edge_1RB_Right	19.41	/	/	14.61	/	/	<=34.77	Pass
		Outer_Full	19.29	/	/	14.49	/	/	<=34.77	Pass
		Inner_Full	20.36	/	/	15.56	/	/	<=34.77	Pass
		Inner_1RB_Left	20.32	/	/	15.52	/	/	<=34.77	Pass
		Inner_1RB_Right	20.45	/	/	15.65	/	/	<=34.77	Pass
	782	Edge_1RB_Left	19.63	/	/	14.83	/	/	<=34.77	Pass
		Edge_1RB_Right	19.66	/	/	14.86	/	/	<=34.77	Pass
		Outer_Full	19.56	/	/	14.76	/	/	<=34.77	Pass
		Inner_Full	20.45	/	/	15.65	/	/	<=34.77	Pass
		Inner_1RB_Left	20.57	/	/	15.77	/	/	<=34.77	Pass
		Inner_1RB_Right	20.69	/	/	15.89	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	19.42	/	/	14.62	/	/	<=34.77	Pass

		Edge 1RB Right	19.35	/	/	14.55	/	/	<=34.77	Pass
		Outer_Full	19.43	/	/	14.63	/	/	<=34.77	Pass
		Inner_Full	20.33	/	/	15.53	/	/	<=34.77	Pass
		Inner 1RB Left	20.30	/	/	15.50	/	/	<=34.77	Pass
		Inner 1RB Right	20.30	/	/	15.50	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	779.5	Edge 1RB Left	18.92	/	/	14.12	/	/	<=34.77	Pass
		Edge 1RB Right	19.02	/	/	14.22	/	/	<=34.77	Pass
		Outer_Full	18.84	/	/	14.04	/	/	<=34.77	Pass
		Inner_Full	18.88	/	/	14.08	/	/	<=34.77	Pass
		Inner 1RB Left	18.96	/	/	14.16	/	/	<=34.77	Pass
		Inner 1RB Right	18.97	/	/	14.17	/	/	<=34.77	Pass
	782	Edge 1RB Left	19.19	/	/	14.39	/	/	<=34.77	Pass
		Edge 1RB Right	19.28	/	/	14.48	/	/	<=34.77	Pass
		Outer_Full	19.24	/	/	14.44	/	/	<=34.77	Pass
		Inner_Full	19.22	/	/	14.42	/	/	<=34.77	Pass
		Inner 1RB Left	19.20	/	/	14.40	/	/	<=34.77	Pass
		Inner 1RB Right	19.23	/	/	14.43	/	/	<=34.77	Pass
	784.5	Edge 1RB Left	18.92	/	/	14.12	/	/	<=34.77	Pass
		Edge 1RB Right	18.85	/	/	14.05	/	/	<=34.77	Pass
		Outer_Full	18.86	/	/	14.06	/	/	<=34.77	Pass
		Inner_Full	18.84	/	/	14.04	/	/	<=34.77	Pass
		Inner 1RB Left	18.91	/	/	14.11	/	/	<=34.77	Pass
		Inner 1RB Right	18.90	/	/	14.10	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	779.5	Edge 1RB Left	16.75	/	/	11.95	/	/	<=34.77	Pass
		Edge 1RB Right	16.84	/	/	12.04	/	/	<=34.77	Pass
		Outer_Full	16.76	/	/	11.96	/	/	<=34.77	Pass
		Inner_Full	16.92	/	/	12.12	/	/	<=34.77	Pass
		Inner 1RB Left	16.76	/	/	11.96	/	/	<=34.77	Pass
		Inner 1RB Right	16.87	/	/	12.07	/	/	<=34.77	Pass
	782	Edge 1RB Left	17.09	/	/	12.29	/	/	<=34.77	Pass
		Edge 1RB Right	17.11	/	/	12.31	/	/	<=34.77	Pass
		Outer_Full	17.23	/	/	12.43	/	/	<=34.77	Pass
		Inner_Full	17.27	/	/	12.47	/	/	<=34.77	Pass
		Inner 1RB Left	17.13	/	/	12.33	/	/	<=34.77	Pass
		Inner 1RB Right	16.87	/	/	12.07	/	/	<=34.77	Pass
	784.5	Edge 1RB Left	16.79	/	/	11.99	/	/	<=34.77	Pass
		Edge 1RB Right	16.75	/	/	11.95	/	/	<=34.77	Pass
		Outer_Full	16.79	/	/	11.99	/	/	<=34.77	Pass
		Inner_Full	16.85	/	/	12.05	/	/	<=34.77	Pass
		Inner 1RB Left	16.75	/	/	11.95	/	/	<=34.77	Pass
		Inner 1RB Right	16.77	/	/	11.97	/	/	<=34.77	Pass
CP-OFDM QPSK	779.5	Edge 1RB Left	18.19	/	/	13.39	/	/	<=34.77	Pass
		Edge 1RB Right	18.26	/	/	13.46	/	/	<=34.77	Pass
		Outer_Full	18.28	/	/	13.48	/	/	<=34.77	Pass
		Inner_Full	19.87	/	/	15.07	/	/	<=34.77	Pass
		Inner 1RB Left	19.72	/	/	14.92	/	/	<=34.77	Pass
		Inner 1RB Right	19.76	/	/	14.96	/	/	<=34.77	Pass
	782	Edge 1RB Left	18.21	/	/	13.41	/	/	<=34.77	Pass
		Edge 1RB Right	18.52	/	/	13.72	/	/	<=34.77	Pass
		Outer_Full	18.39	/	/	13.59	/	/	<=34.77	Pass
		Inner_Full	19.90	/	/	15.10	/	/	<=34.77	Pass
		Inner 1RB Left	19.64	/	/	14.84	/	/	<=34.77	Pass
		Inner 1RB Right	19.71	/	/	14.91	/	/	<=34.77	Pass
	784.5	Edge 1RB Left	18.27	/	/	13.47	/	/	<=34.77	Pass
		Edge 1RB Right	18.17	/	/	13.37	/	/	<=34.77	Pass
		Outer_Full	18.33	/	/	13.53	/	/	<=34.77	Pass
		Inner_Full	19.88	/	/	15.08	/	/	<=34.77	Pass
		Inner 1RB Left	19.73	/	/	14.93	/	/	<=34.77	Pass
		Inner 1RB Right	19.66	/	/	14.86	/	/	<=34.77	Pass

CP-OFDM 16 QAM	779.5	Edge 1RB Left	18.61	/	/	13.81	/	/	<=34.77	Pass
		Edge 1RB Right	18.60	/	/	13.80	/	/	<=34.77	Pass
		Outer_Full	18.37	/	/	13.57	/	/	<=34.77	Pass
		Inner_Full	19.33	/	/	14.53	/	/	<=34.77	Pass
		Inner 1RB Left	19.48	/	/	14.68	/	/	<=34.77	Pass
		Inner 1RB Right	19.55	/	/	14.75	/	/	<=34.77	Pass
	782	Edge 1RB Left	18.41	/	/	13.61	/	/	<=34.77	Pass
		Edge 1RB Right	18.49	/	/	13.69	/	/	<=34.77	Pass
		Outer_Full	18.39	/	/	13.59	/	/	<=34.77	Pass
		Inner_Full	19.37	/	/	14.57	/	/	<=34.77	Pass
		Inner 1RB Left	19.45	/	/	14.65	/	/	<=34.77	Pass
		Inner 1RB Right	19.46	/	/	14.66	/	/	<=34.77	Pass
	784.5	Edge 1RB Left	18.61	/	/	13.81	/	/	<=34.77	Pass
		Edge 1RB Right	18.53	/	/	13.73	/	/	<=34.77	Pass
		Outer_Full	18.38	/	/	13.58	/	/	<=34.77	Pass
		Inner_Full	19.32	/	/	14.52	/	/	<=34.77	Pass
		Inner 1RB Left	19.51	/	/	14.71	/	/	<=34.77	Pass
		Inner 1RB Right	19.48	/	/	14.68	/	/	<=34.77	Pass
CP-OFDM 64 QAM	779.5	Edge 1RB Left	17.93	/	/	13.13	/	/	<=34.77	Pass
		Edge 1RB Right	17.99	/	/	13.19	/	/	<=34.77	Pass
		Outer_Full	17.83	/	/	13.03	/	/	<=34.77	Pass
		Inner_Full	17.90	/	/	13.10	/	/	<=34.77	Pass
		Inner 1RB Left	17.89	/	/	13.09	/	/	<=34.77	Pass
		Inner 1RB Right	17.98	/	/	13.18	/	/	<=34.77	Pass
	782	Edge 1RB Left	17.87	/	/	13.07	/	/	<=34.77	Pass
		Edge 1RB Right	17.78	/	/	12.98	/	/	<=34.77	Pass
		Outer_Full	18.01	/	/	13.21	/	/	<=34.77	Pass
		Inner_Full	17.90	/	/	13.10	/	/	<=34.77	Pass
		Inner 1RB Left	17.75	/	/	12.95	/	/	<=34.77	Pass
		Inner 1RB Right	17.89	/	/	13.09	/	/	<=34.77	Pass
	784.5	Edge 1RB Left	17.93	/	/	13.13	/	/	<=34.77	Pass
		Edge 1RB Right	17.77	/	/	12.97	/	/	<=34.77	Pass
		Outer_Full	17.98	/	/	13.18	/	/	<=34.77	Pass
		Inner_Full	17.88	/	/	13.08	/	/	<=34.77	Pass
		Inner 1RB Left	17.86	/	/	13.06	/	/	<=34.77	Pass
		Inner 1RB Right	17.83	/	/	13.03	/	/	<=34.77	Pass
CP-OFDM 256 QAM	779.5	Edge 1RB Left	14.91	/	/	10.11	/	/	<=34.77	Pass
		Edge 1RB Right	14.98	/	/	10.18	/	/	<=34.77	Pass
		Outer_Full	14.75	/	/	9.95	/	/	<=34.77	Pass
		Inner_Full	14.86	/	/	10.06	/	/	<=34.77	Pass
		Inner 1RB Left	14.99	/	/	10.19	/	/	<=34.77	Pass
		Inner 1RB Right	15.03	/	/	10.23	/	/	<=34.77	Pass
	782	Edge 1RB Left	14.88	/	/	10.08	/	/	<=34.77	Pass
		Edge 1RB Right	14.92	/	/	10.12	/	/	<=34.77	Pass
		Outer_Full	14.90	/	/	10.10	/	/	<=34.77	Pass
		Inner_Full	14.86	/	/	10.06	/	/	<=34.77	Pass
		Inner 1RB Left	14.79	/	/	9.99	/	/	<=34.77	Pass
		Inner 1RB Right	14.94	/	/	10.14	/	/	<=34.77	Pass
	784.5	Edge 1RB Left	15.04	/	/	10.24	/	/	<=34.77	Pass
		Edge 1RB Right	14.92	/	/	10.12	/	/	<=34.77	Pass
		Outer_Full	14.92	/	/	10.12	/	/	<=34.77	Pass
		Inner_Full	14.84	/	/	10.04	/	/	<=34.77	Pass
		Inner 1RB Left	14.95	/	/	10.15	/	/	<=34.77	Pass
		Inner 1RB Right	14.94	/	/	10.14	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant7: -2.65dBi;										
Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n13 SCS=15kHz SISO 10MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	782	Edge_1RB_Left	20.90	/	/	16.10	/	/	<=34.77	Pass
		Edge_1RB_Right	20.85	/	/	16.05	/	/	<=34.77	Pass
		Outer_Full	20.95	/	/	16.15	/	/	<=34.77	Pass
		Inner_Full	21.43	/	/	16.63	/	/	<=34.77	Pass
		Inner_1RB_Left	21.38	/	/	16.58	/	/	<=34.77	Pass
		Inner_1RB_Right	21.34	/	/	16.54	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	782	Edge_1RB_Left	20.37	/	/	15.57	/	/	<=34.77	Pass
		Edge_1RB_Right	20.35	/	/	15.55	/	/	<=34.77	Pass
		Outer_Full	20.37	/	/	15.57	/	/	<=34.77	Pass
		Inner_Full	21.43	/	/	16.63	/	/	<=34.77	Pass
		Inner_1RB_Left	21.38	/	/	16.58	/	/	<=34.77	Pass
		Inner_1RB_Right	21.33	/	/	16.53	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	782	Edge_1RB_Left	19.34	/	/	14.54	/	/	<=34.77	Pass
		Edge_1RB_Right	19.39	/	/	14.59	/	/	<=34.77	Pass
		Outer_Full	19.33	/	/	14.53	/	/	<=34.77	Pass
		Inner_Full	20.40	/	/	15.60	/	/	<=34.77	Pass
		Inner_1RB_Left	20.34	/	/	15.54	/	/	<=34.77	Pass
		Inner_1RB_Right	20.39	/	/	15.59	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	782	Edge_1RB_Left	18.78	/	/	13.98	/	/	<=34.77	Pass
		Edge_1RB_Right	18.76	/	/	13.96	/	/	<=34.77	Pass
		Outer_Full	18.88	/	/	14.08	/	/	<=34.77	Pass
		Inner_Full	18.91	/	/	14.11	/	/	<=34.77	Pass
		Inner_1RB_Left	18.93	/	/	14.13	/	/	<=34.77	Pass
		Inner_1RB_Right	18.86	/	/	14.06	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	782	Edge_1RB_Left	16.79	/	/	11.99	/	/	<=34.77	Pass
		Edge_1RB_Right	16.81	/	/	12.01	/	/	<=34.77	Pass
		Outer_Full	16.85	/	/	12.05	/	/	<=34.77	Pass
		Inner_Full	16.89	/	/	12.09	/	/	<=34.77	Pass
		Inner_1RB_Left	16.81	/	/	12.01	/	/	<=34.77	Pass
		Inner_1RB_Right	16.80	/	/	12.00	/	/	<=34.77	Pass
CP-OFDM QPSK	782	Edge_1RB_Left	18.16	/	/	13.36	/	/	<=34.77	Pass
		Edge_1RB_Right	18.22	/	/	13.42	/	/	<=34.77	Pass
		Outer_Full	18.35	/	/	13.55	/	/	<=34.77	Pass
		Inner_Full	19.86	/	/	15.06	/	/	<=34.77	Pass
		Inner_1RB_Left	19.69	/	/	14.89	/	/	<=34.77	Pass
		Inner_1RB_Right	19.68	/	/	14.88	/	/	<=34.77	Pass
CP-OFDM 16 QAM	782	Edge_1RB_Left	18.49	/	/	13.69	/	/	<=34.77	Pass
		Edge_1RB_Right	18.42	/	/	13.62	/	/	<=34.77	Pass
		Outer_Full	18.37	/	/	13.57	/	/	<=34.77	Pass
		Inner_Full	19.34	/	/	14.54	/	/	<=34.77	Pass
		Inner_1RB_Left	19.52	/	/	14.72	/	/	<=34.77	Pass
		Inner_1RB_Right	19.50	/	/	14.70	/	/	<=34.77	Pass
CP-OFDM 64 QAM	782	Edge_1RB_Left	17.98	/	/	13.18	/	/	<=34.77	Pass
		Edge_1RB_Right	17.90	/	/	13.10	/	/	<=34.77	Pass
		Outer_Full	17.89	/	/	13.09	/	/	<=34.77	Pass
		Inner_Full	17.91	/	/	13.11	/	/	<=34.77	Pass
		Inner_1RB_Left	17.91	/	/	13.11	/	/	<=34.77	Pass
		Inner_1RB_Right	17.92	/	/	13.12	/	/	<=34.77	Pass
CP-OFDM 256 QAM	782	Edge_1RB_Left	15.00	/	/	10.20	/	/	<=34.77	Pass
		Edge_1RB_Right	14.92	/	/	10.12	/	/	<=34.77	Pass
		Outer_Full	14.84	/	/	10.04	/	/	<=34.77	Pass
		Inner_Full	14.85	/	/	10.05	/	/	<=34.77	Pass
		Inner_1RB_Left	14.97	/	/	10.17	/	/	<=34.77	Pass
		Inner_1RB_Right	14.90	/	/	10.10	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant7: -2.65dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_10MHz

5G NR n13 SCS=15kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	782	Outer_Full	20	LV	-4.90	-0.0063	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0091	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0060	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0092	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0064	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0077	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0060	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0070	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0097	>=-2.5 & <=2.5	Pass
			40	NV	-3.30	-0.0042	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0086	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

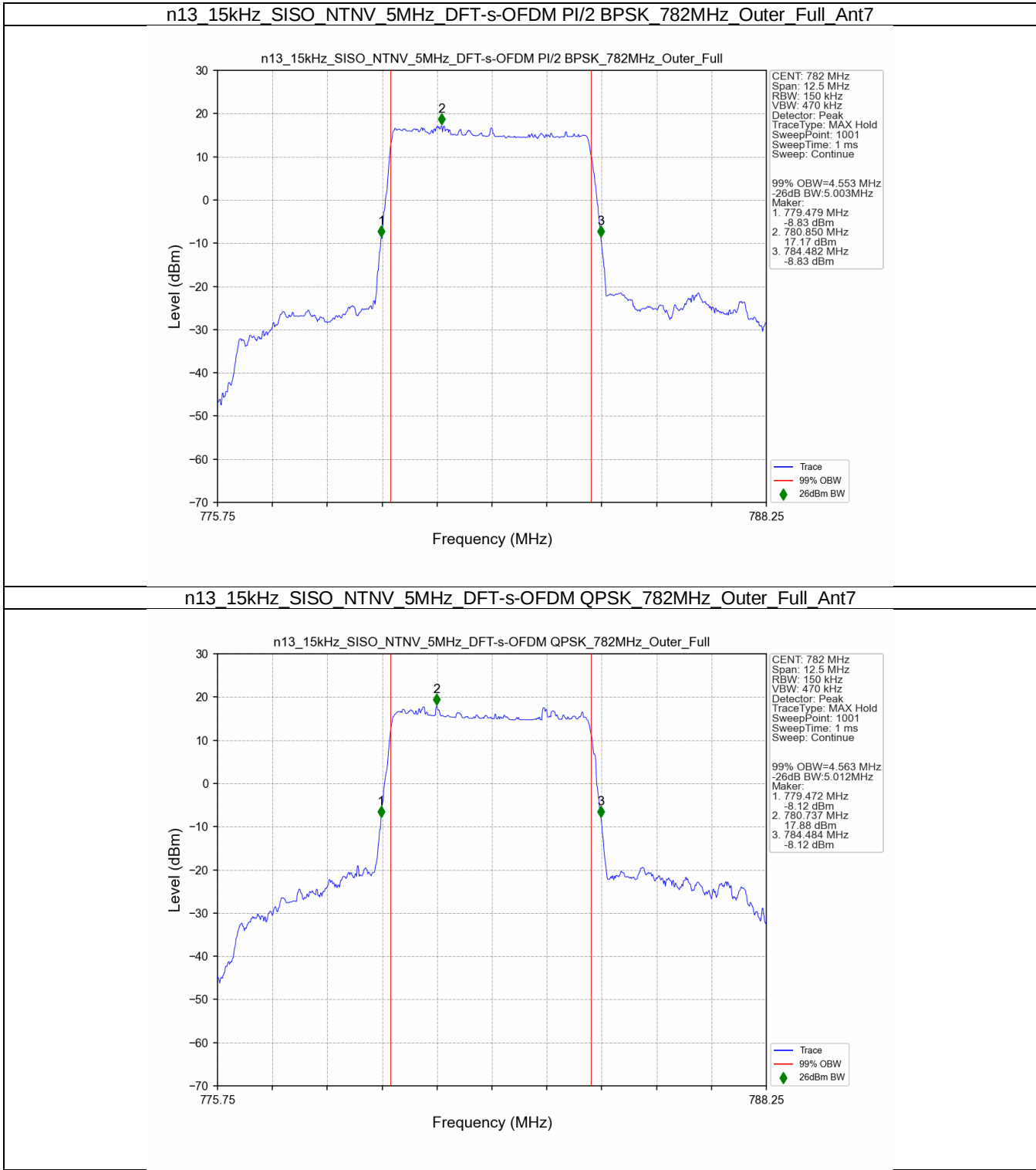
5G NR n13 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	782	Outer_Full	4.55	5.00	/	Pass
DFT-s-OFDM QPSK	782	Outer_Full	4.56	5.01	/	Pass
DFT-s-OFDM 16 QAM	782	Outer_Full	4.54	4.97	/	Pass
DFT-s-OFDM 64 QAM	782	Outer_Full	4.57	5.00	/	Pass
DFT-s-OFDM 256 QAM	782	Outer_Full	4.54	5.02	/	Pass
CP-OFDM QPSK	782	Outer_Full	4.53	5.01	/	Pass
CP-OFDM 16 QAM	782	Outer_Full	4.54	4.98	/	Pass
CP-OFDM 64 QAM	782	Outer_Full	4.54	5.02	/	Pass
CP-OFDM 256 QAM	782	Outer_Full	4.54	5.01	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

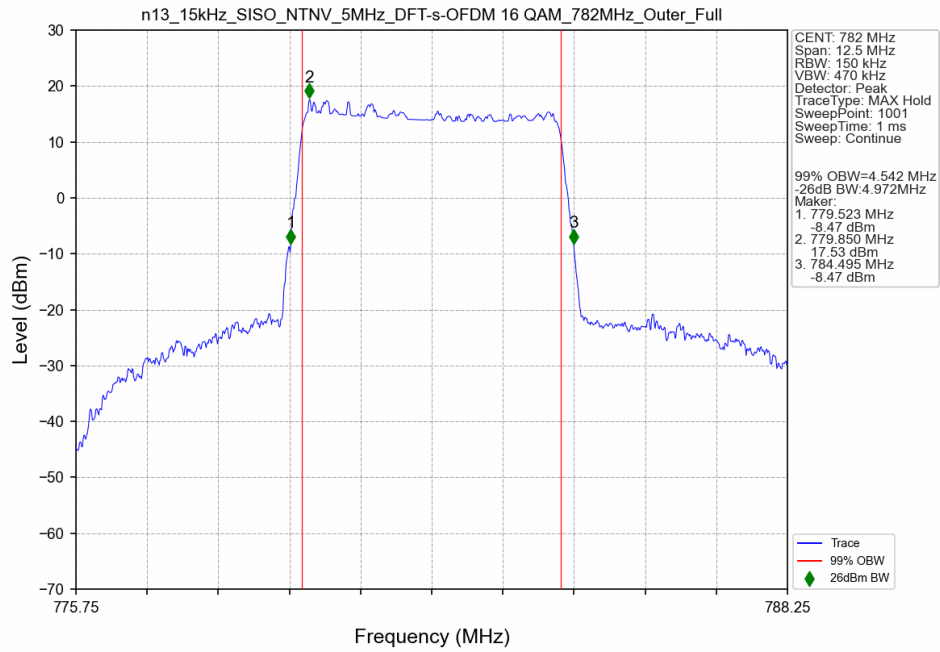
5G NR n13 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	782	Outer_Full	9.05	9.68	/	Pass
DFT-s-OFDM QPSK	782	Outer_Full	8.99	9.69	/	Pass
DFT-s-OFDM 16 QAM	782	Outer_Full	8.97	9.66	/	Pass
DFT-s-OFDM 64 QAM	782	Outer_Full	9.02	9.72	/	Pass
DFT-s-OFDM 256 QAM	782	Outer_Full	8.97	9.68	/	Pass
CP-OFDM QPSK	782	Outer_Full	9.28	10.03	/	Pass
CP-OFDM 16 QAM	782	Outer_Full	9.32	10.04	/	Pass
CP-OFDM 64 QAM	782	Outer_Full	9.33	10.09	/	Pass
CP-OFDM 256 QAM	782	Outer_Full	9.34	10.02	/	Pass

3.2 Test Graph

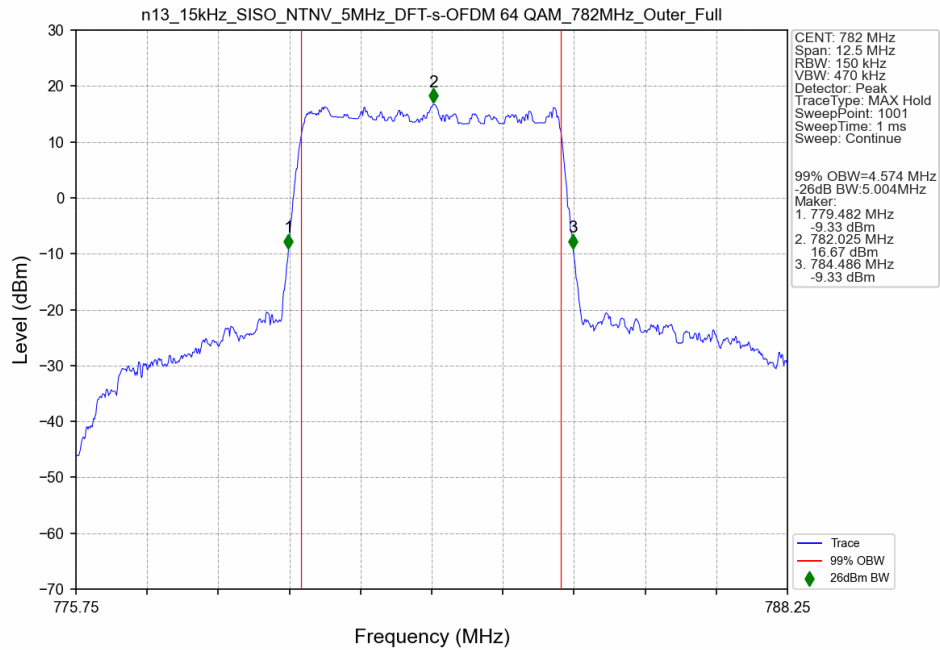
3.2.1 15k_SISO_5MHz_NTNV



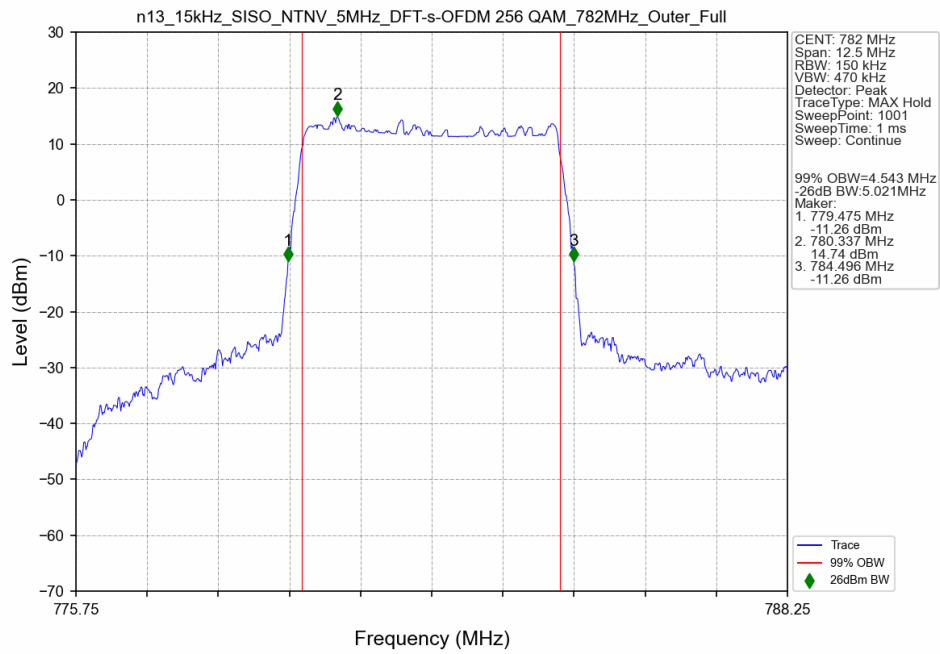
n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16QAM_782MHz_Outer_Full_Ant7



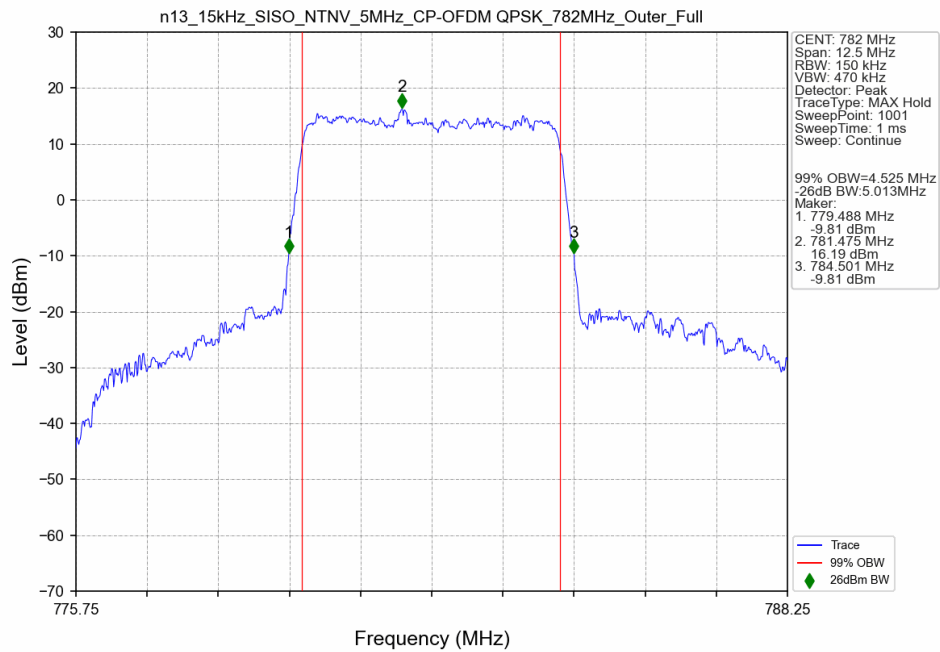
n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64QAM_782MHz_Outer_Full_Ant7



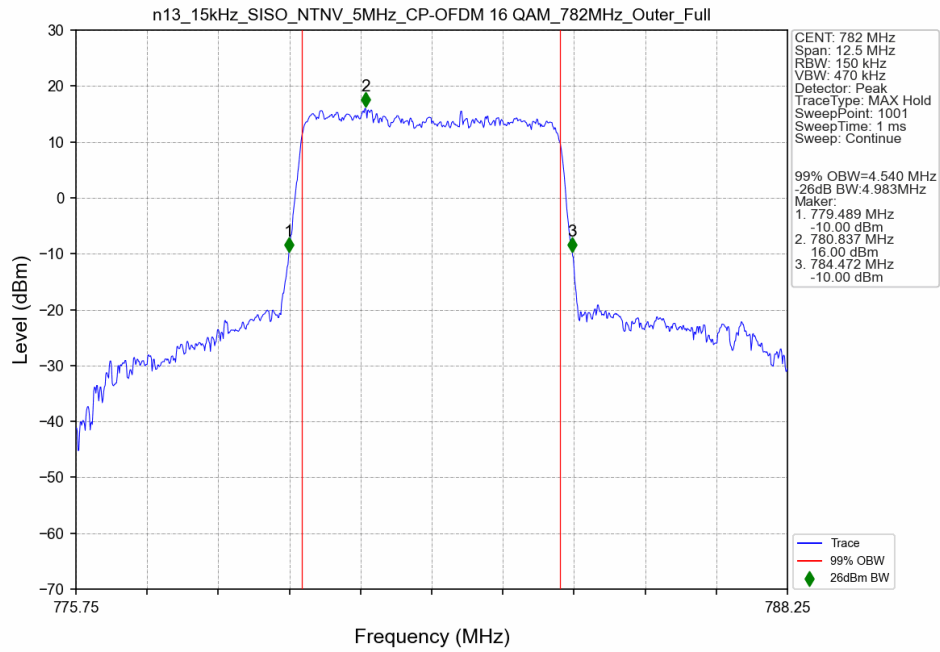
n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_782MHz_Outer_Full_Ant7



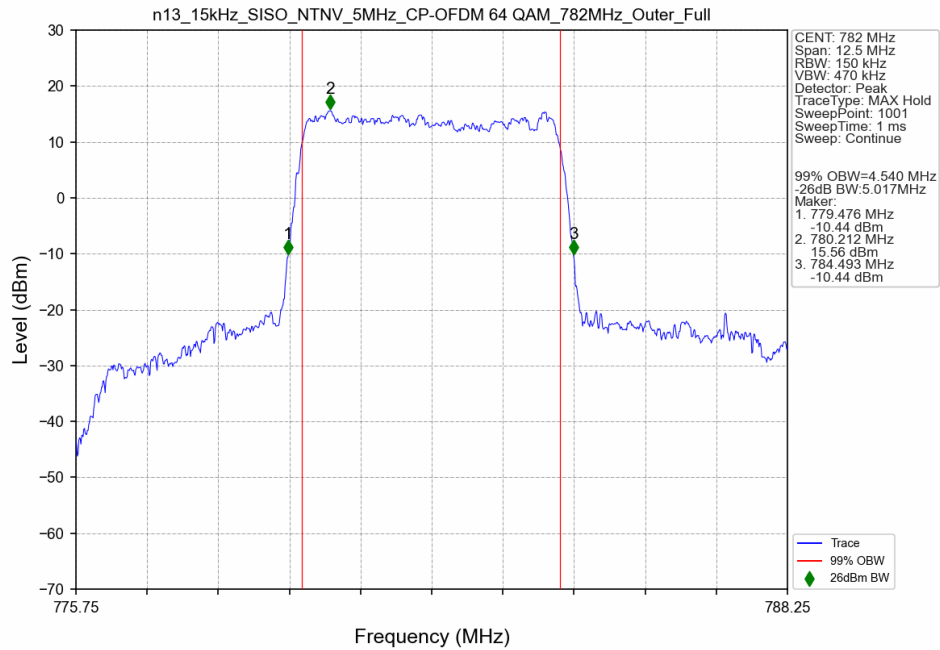
n13_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_782MHz_Outer_Full_Ant7

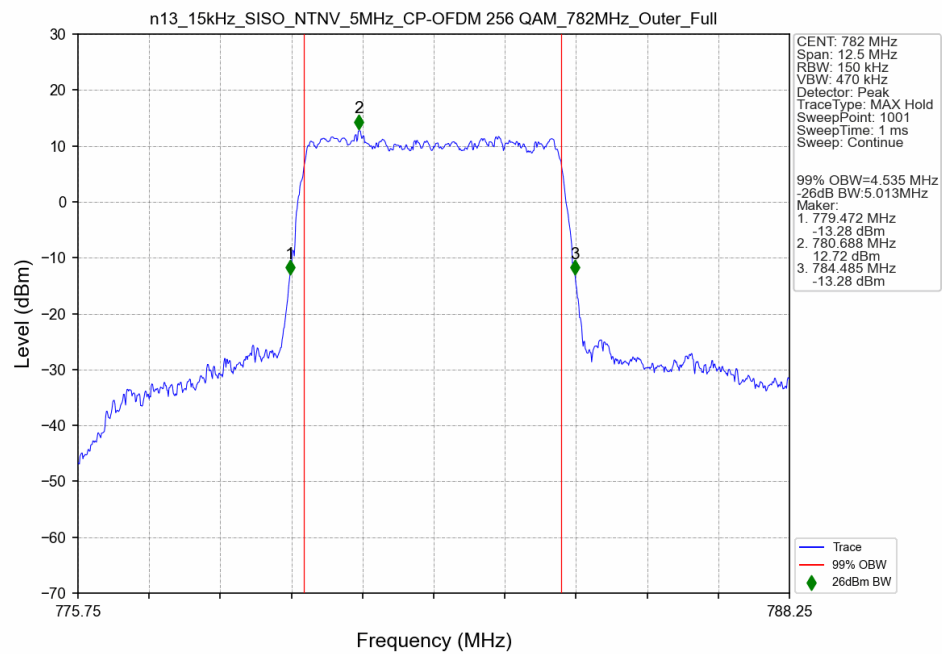


n13_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 782MHz_Outer_Full_Ant7

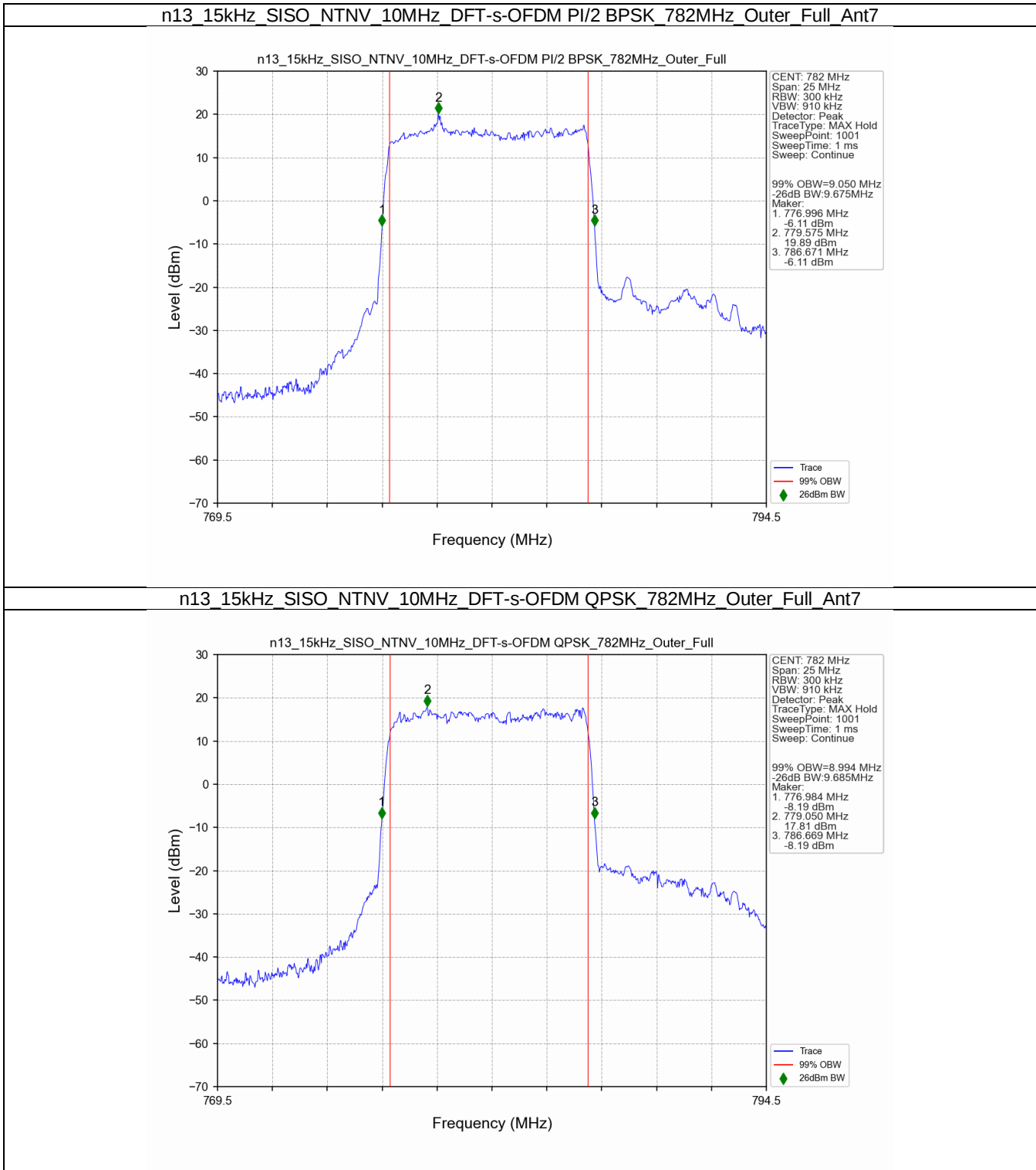


n13_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 782MHz_Outer_Full_Ant7

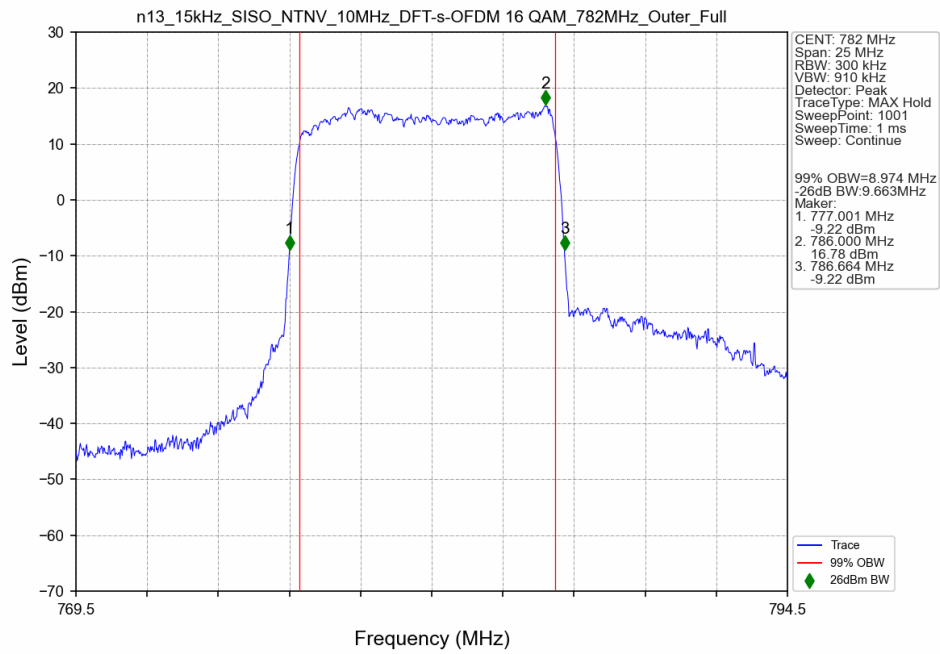




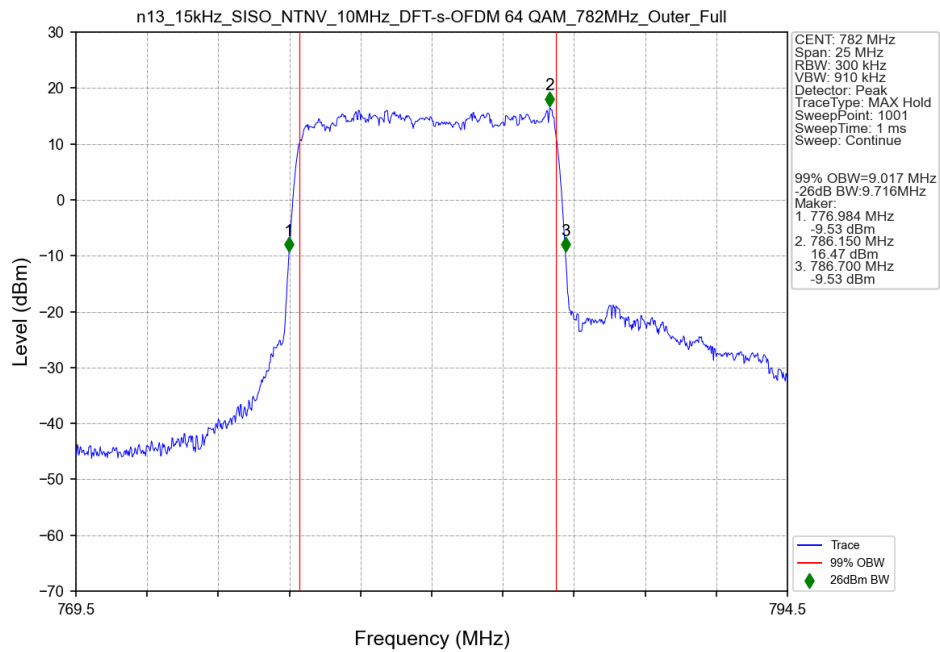
3.2.2 15k_SISO_10MHz_NTNV



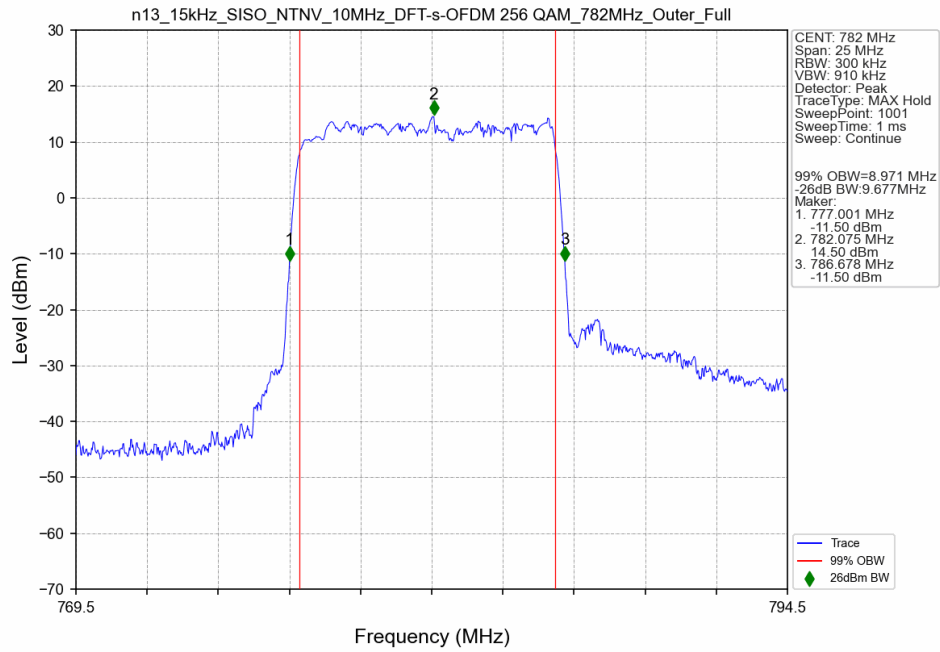
n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_782MHz_Outer_Full_Ant7



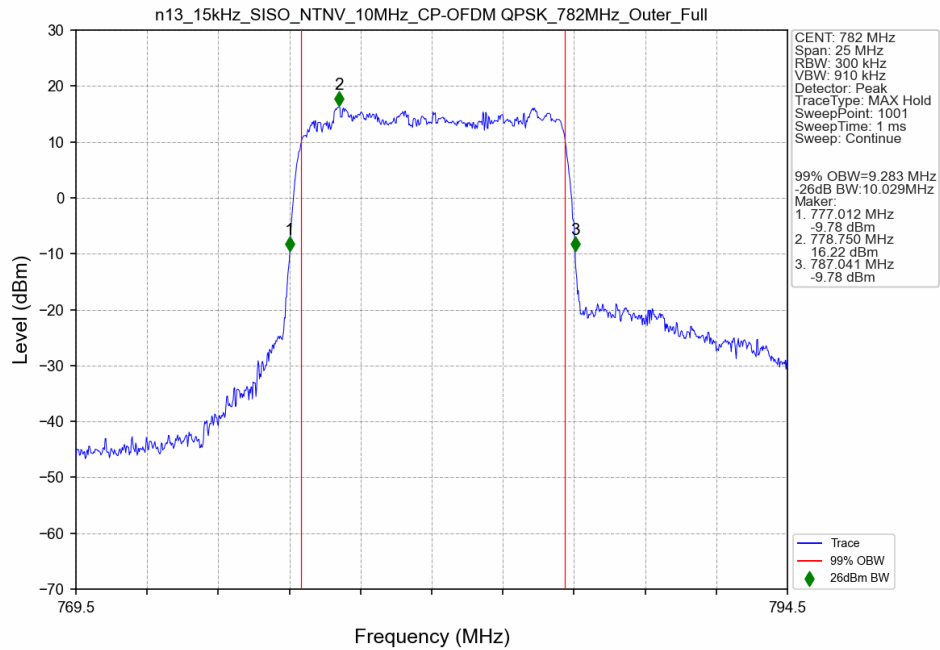
n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_782MHz_Outer_Full_Ant7



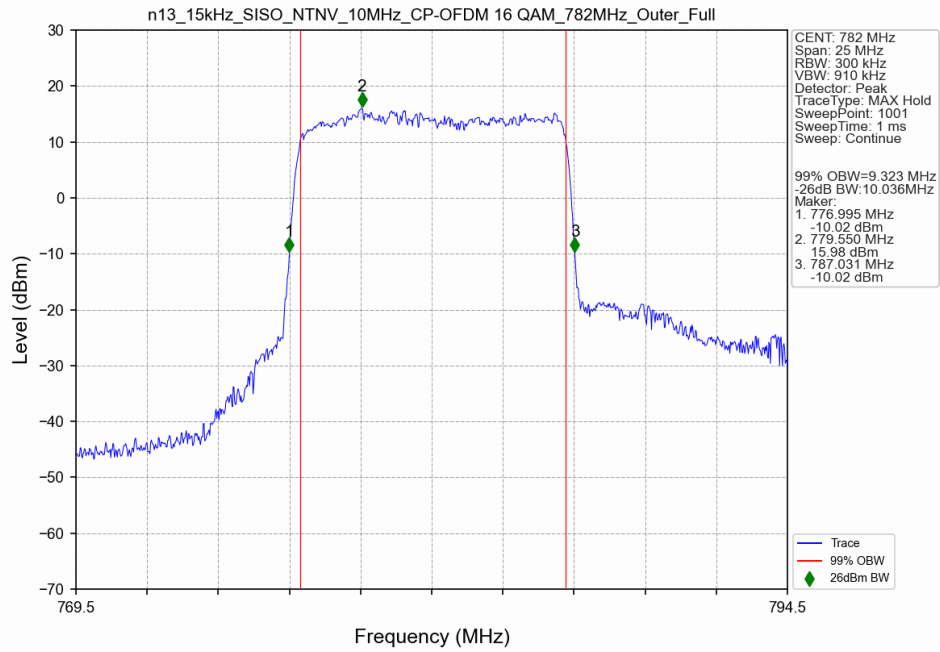
n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_782MHz_Outer_Full_Ant7



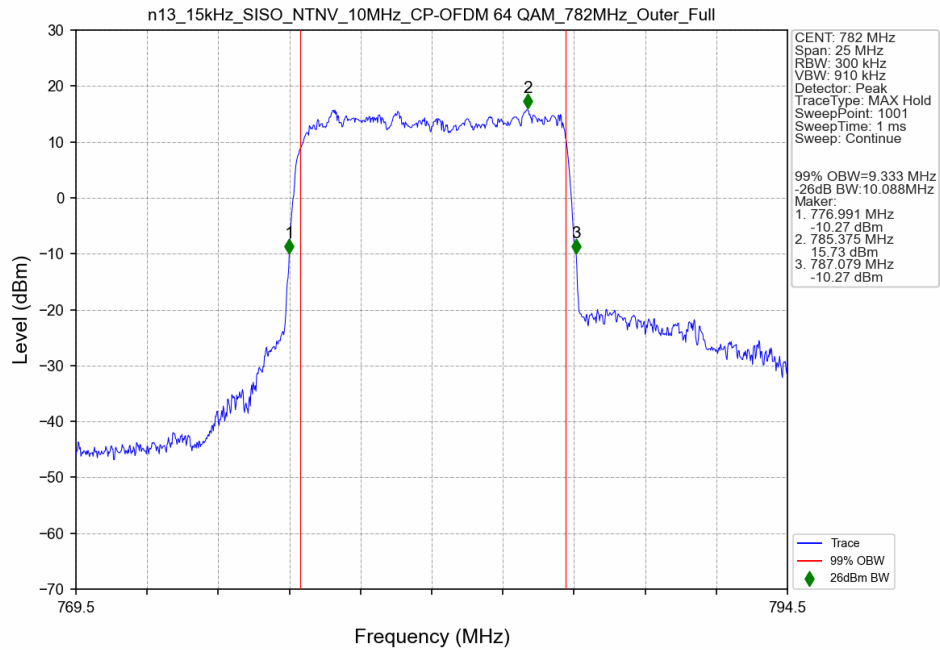
n13_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_782MHz_Outer_Full_Ant7



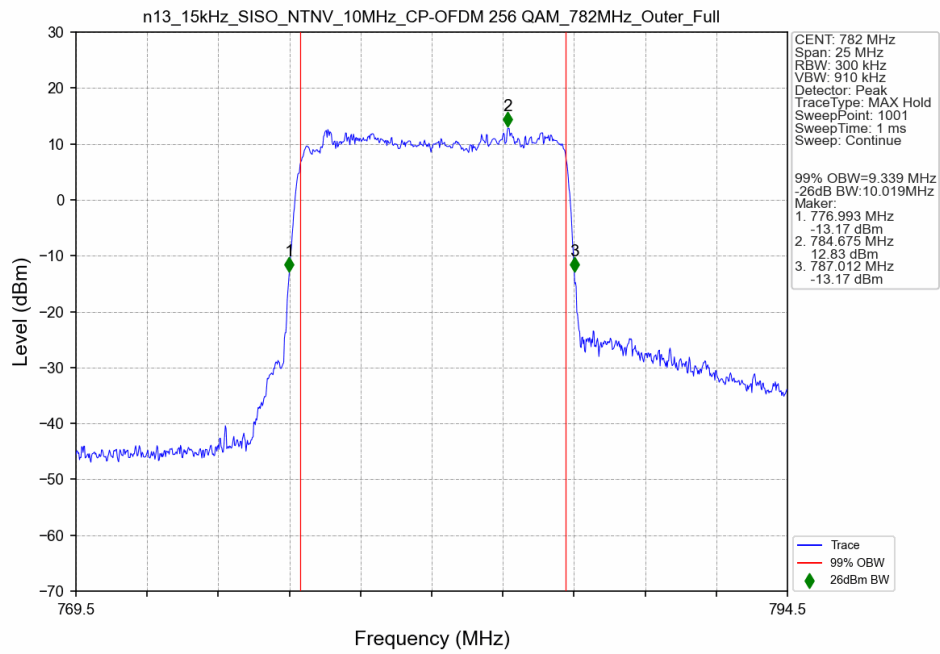
n13_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 782MHz_Outer_Full_Ant7



n13_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 782MHz_Outer_Full_Ant7



n13_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_782MHz_Outer_Full_Ant7



4. Peak-Average Ratio

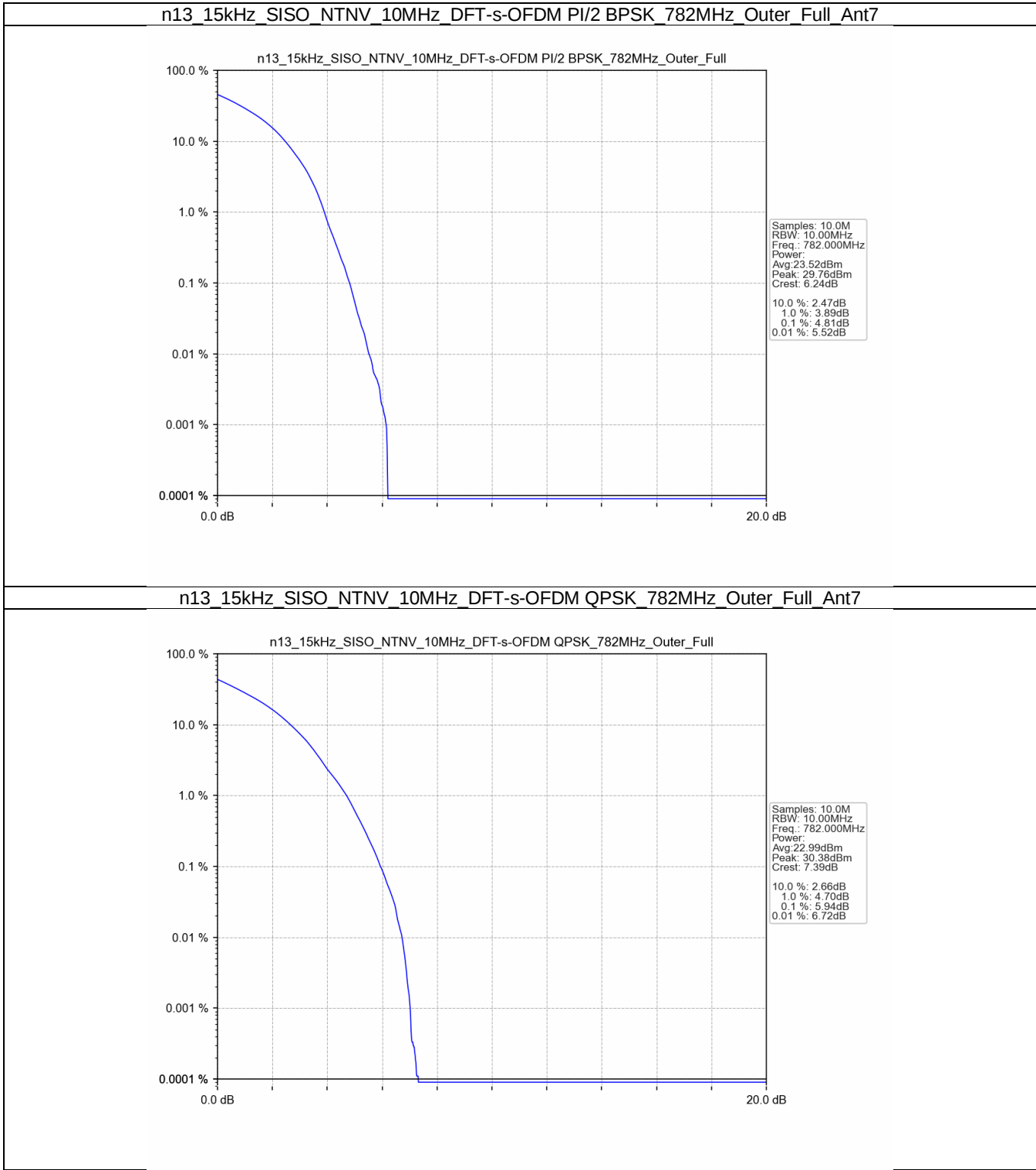
4.1 Test Result

4.1.1 15k_SISO_10MHz_NTNV

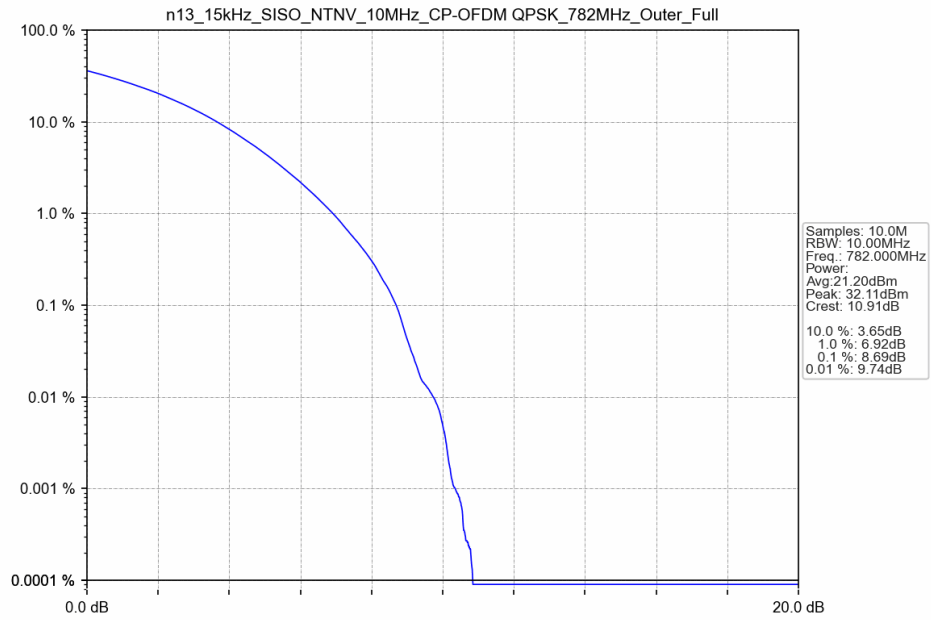
5G NR n13 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	782	Outer_Full	4.81	/	/	<=13	Pass
DFT-s-OFDM QPSK	782	Outer_Full	5.94	/	/	<=13	Pass
CP-OFDM QPSK	782	Outer_Full	8.69	/	/	<=13	Pass

4.2 Test Graph

4.2.1 15k_SISO_10MHz_NTNV



n13 15kHz SISO NTV 10MHz CP-OFDM QPSK 782MHz Outer Full Ant7



5. Spurious Emission

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

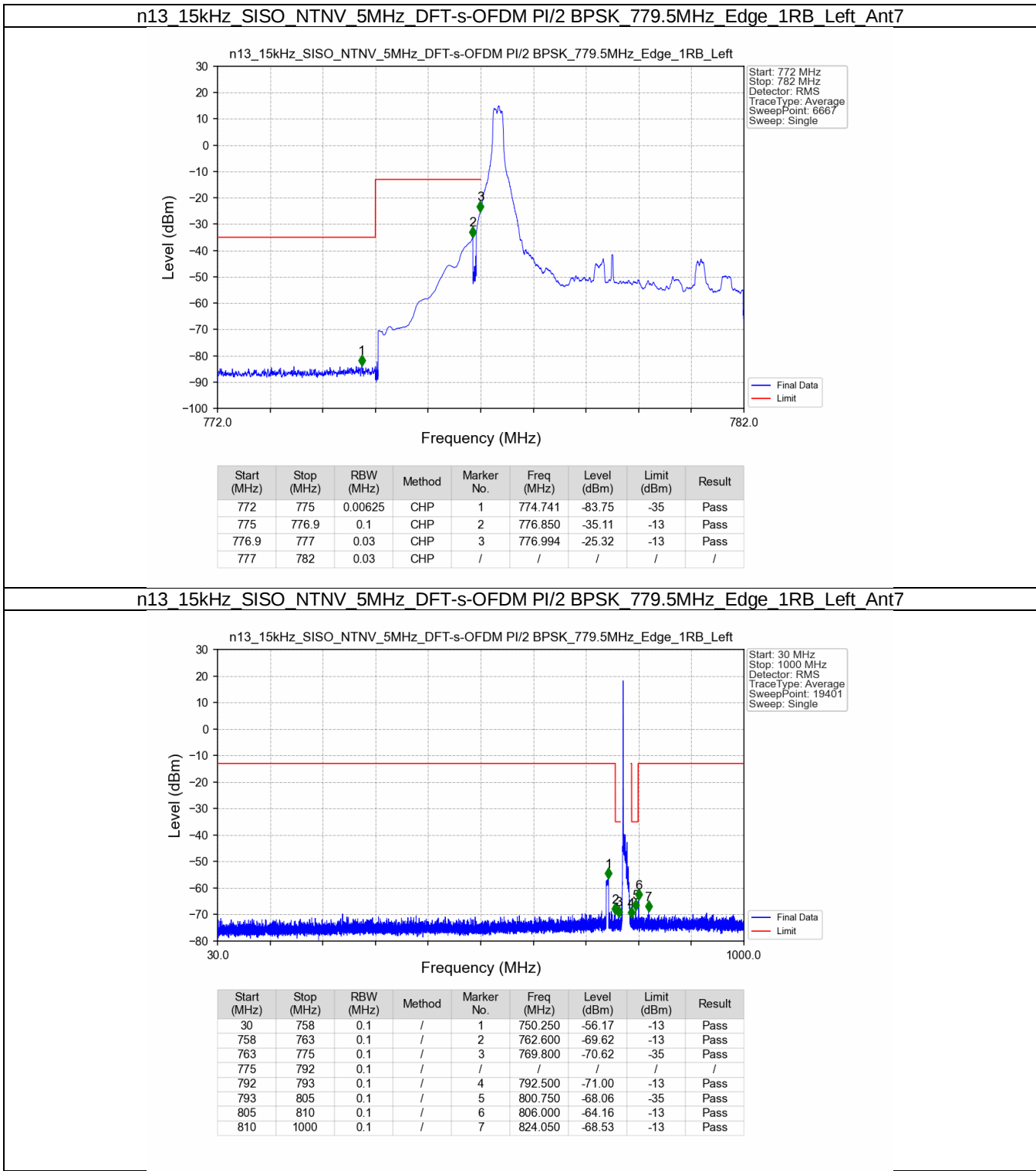
5G NR n13 SCS=15kHz SISO 5MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant7	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	779.5	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	782	Edge_1RB_Left	Refer To Test Graph				Pass	
		784.5	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	779.5	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	782	Edge_1RB_Left	Refer To Test Graph				Pass	
		784.5	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	779.5	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	782	Edge_1RB_Left	Refer To Test Graph				Pass	
		784.5	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass

5.1.2 15k_SISO_10MHz_NTNV

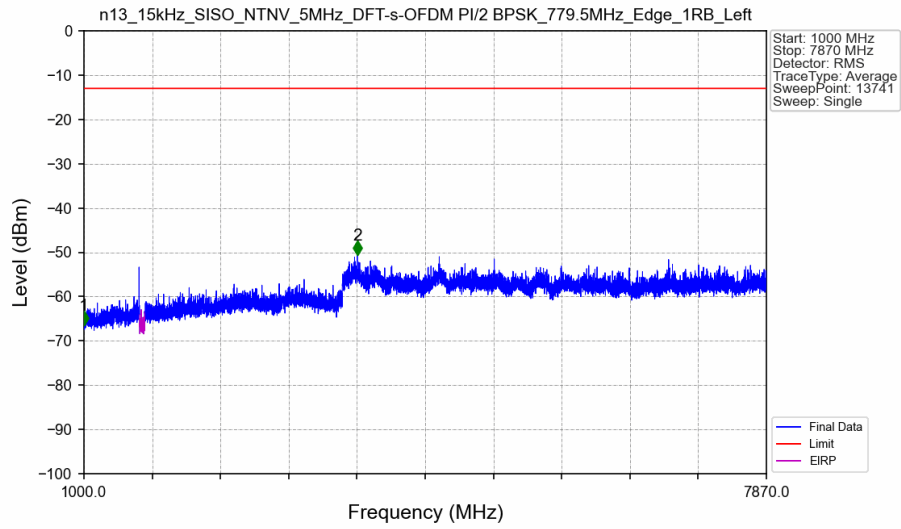
5G NR n13 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	782	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	782	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
CP-OFDM QPSK	782	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass

5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

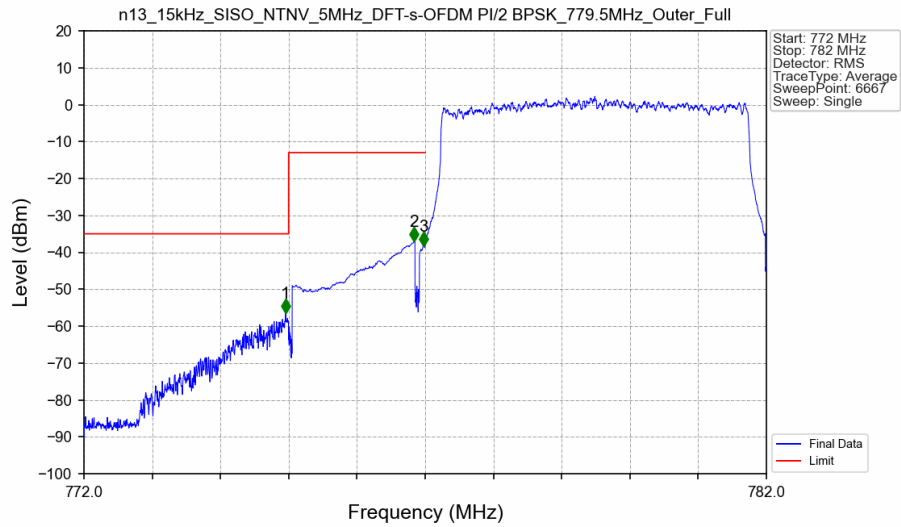


n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_779.5MHz_Edge_1RB_Left_Ant7



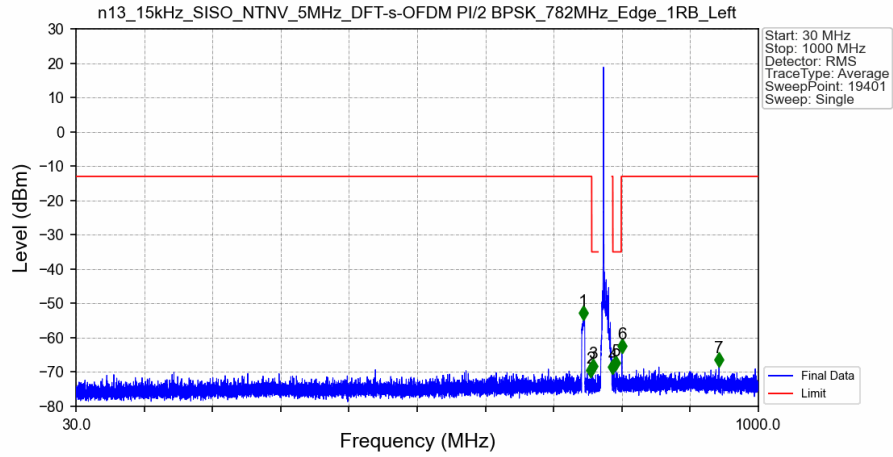
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-66.44	-13	Pass
1000	7870	1	/	2	3751.500	-50.59	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_779.5MHz_Outer_Full_Ant7



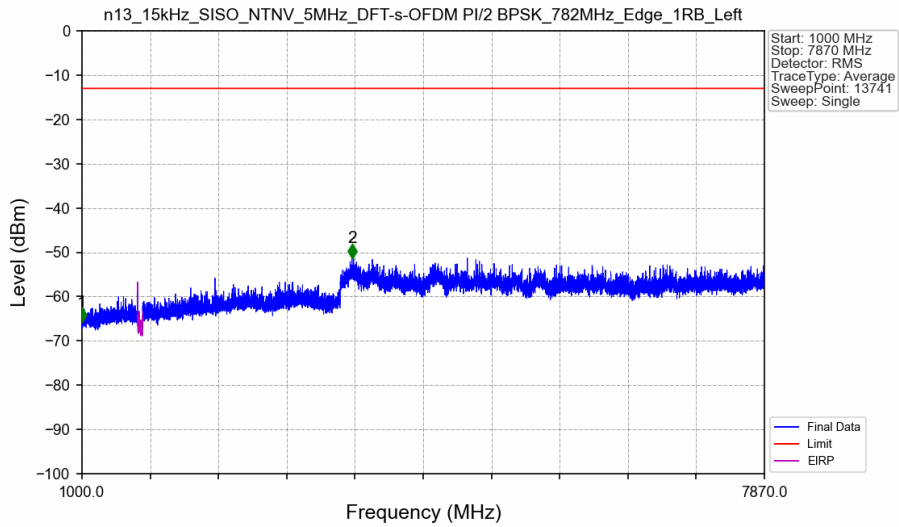
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.955	-56.50	-35	Pass
775	776.9	0.1	CHP	2	776.839	-37.09	-13	Pass
776.9	777	0.03	CHP	3	776.977	-38.20	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 782MHz Edge 1RB Left Ant7



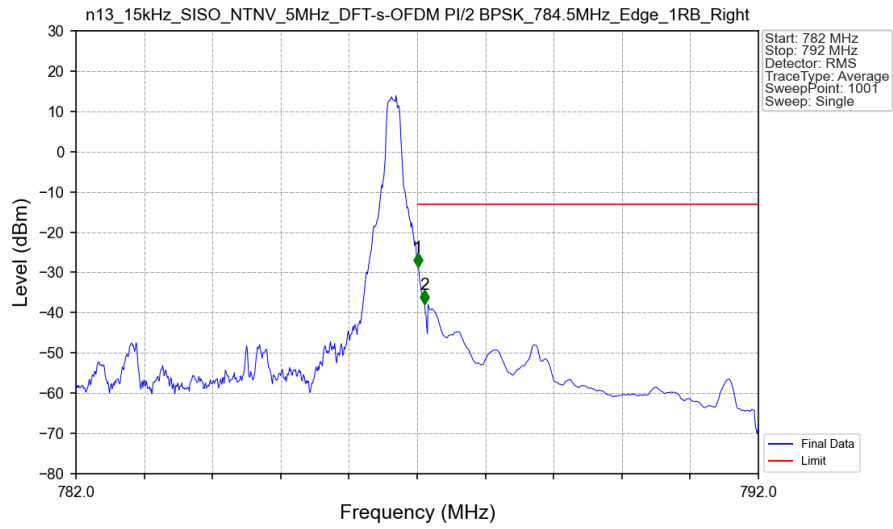
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	750.950	-54.47	-13	Pass
758	763	0.1	/	2	762.000	-71.19	-13	Pass
763	775	0.1	/	3	764.450	-69.94	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.800	-70.21	-13	Pass
793	805	0.1	/	5	797.450	-69.13	-35	Pass
805	810	0.1	/	6	806.000	-64.12	-13	Pass
810	1000	0.1	/	7	944.000	-68.23	-13	Pass

n13 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 782MHz Edge 1RB Left Ant7



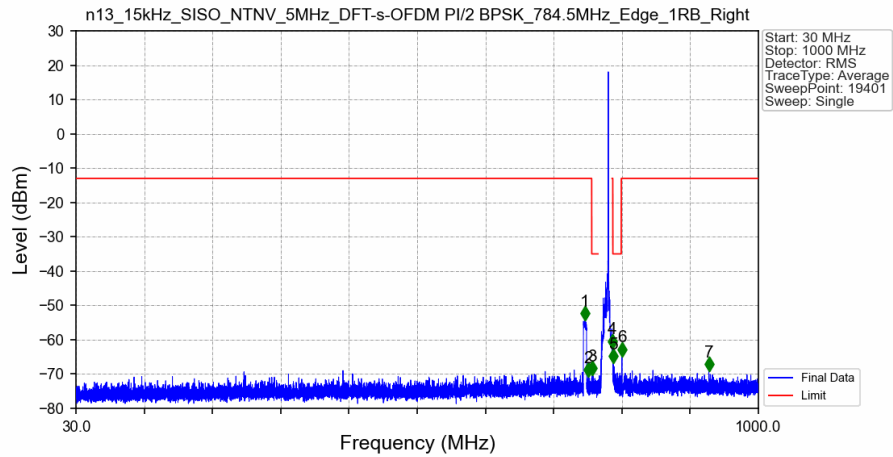
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-65.77	-13	Pass
1000	7870	1	/	2	3718.500	-51.22	-13	Pass

n13 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 784.5MHz Edge 1RB Right Ant7



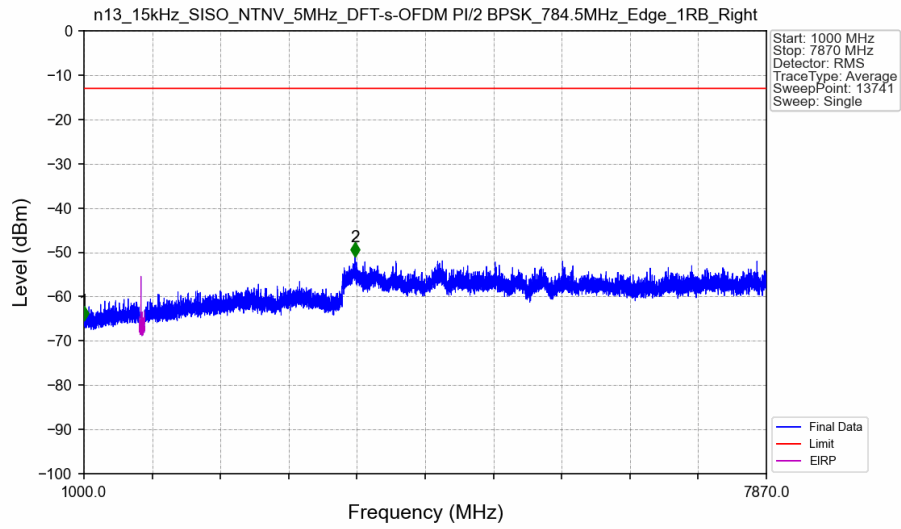
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.010	-28.61	-13	Pass
787.1	792	0.1	CHP	2	787.110	-37.85	-13	Pass

n13 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 784.5MHz Edge 1RB Right Ant7



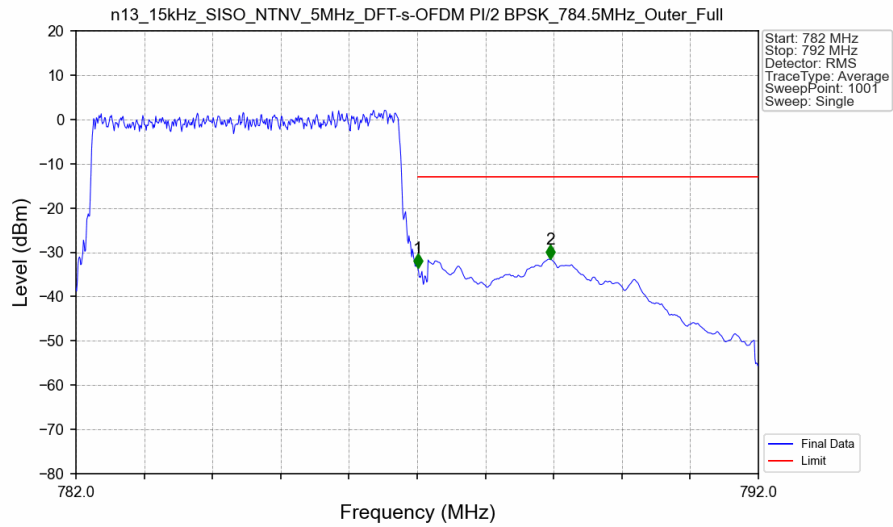
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	753.500	-54.07	-13	Pass
758	763	0.1	/	2	758.250	-70.45	-13	Pass
763	775	0.1	/	3	763.850	-70.07	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.400	-62.18	-13	Pass
793	805	0.1	/	5	793.200	-66.54	-35	Pass
805	810	0.1	/	6	806.000	-64.52	-13	Pass
810	1000	0.1	/	7	929.500	-68.80	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_784.5MHz_Edge_1RB_Right Ant7



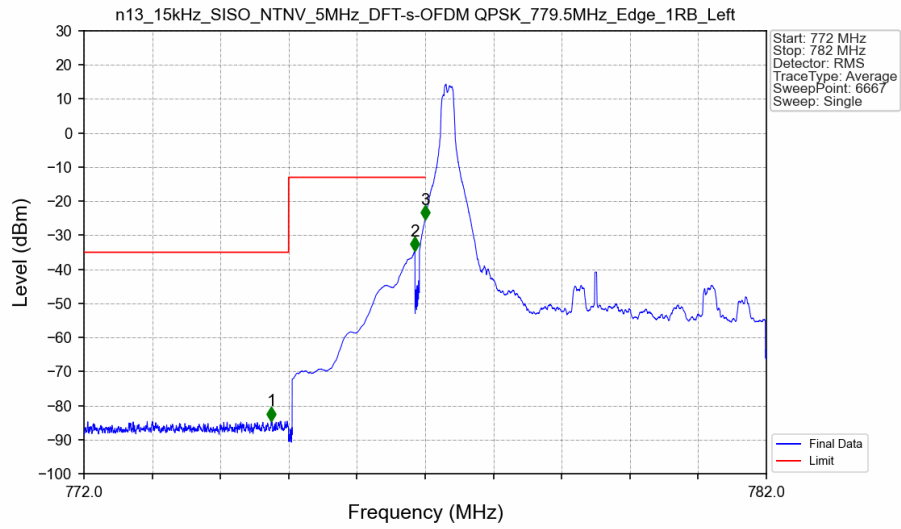
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-65.36	-13	Pass
1000	7870	1	/	2	3728.500	-50.93	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_784.5MHz_Outer_Full_Ant7



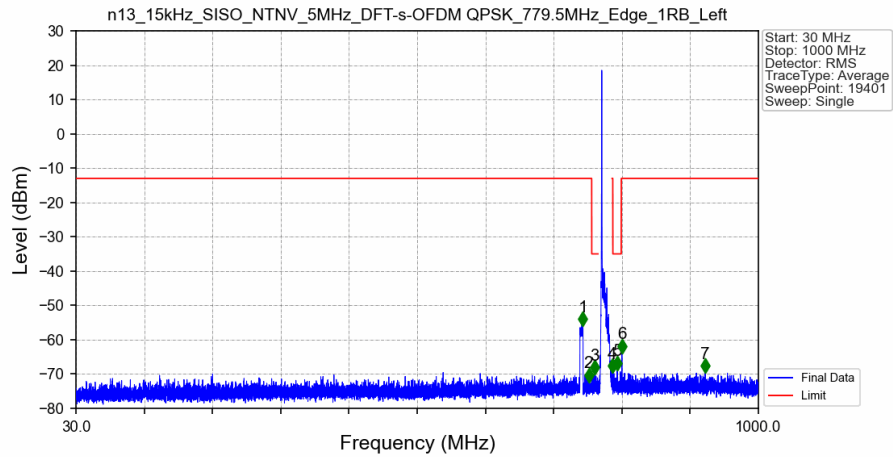
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.010	-33.52	-13	Pass
787.1	792	0.1	CHP	2	788.950	-31.56	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_779.5MHz_Edge_1RB_Left Ant7



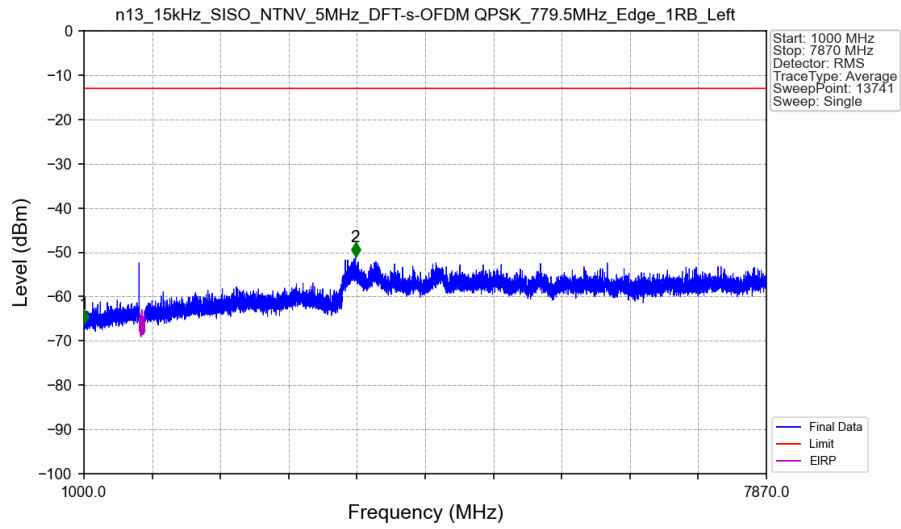
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.745	-84.42	-35	Pass
775	776.9	0.1	CHP	2	776.850	-34.64	-13	Pass
776.9	777	0.03	CHP	3	776.999	-25.36	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_779.5MHz_Edge_1RB_Left Ant7



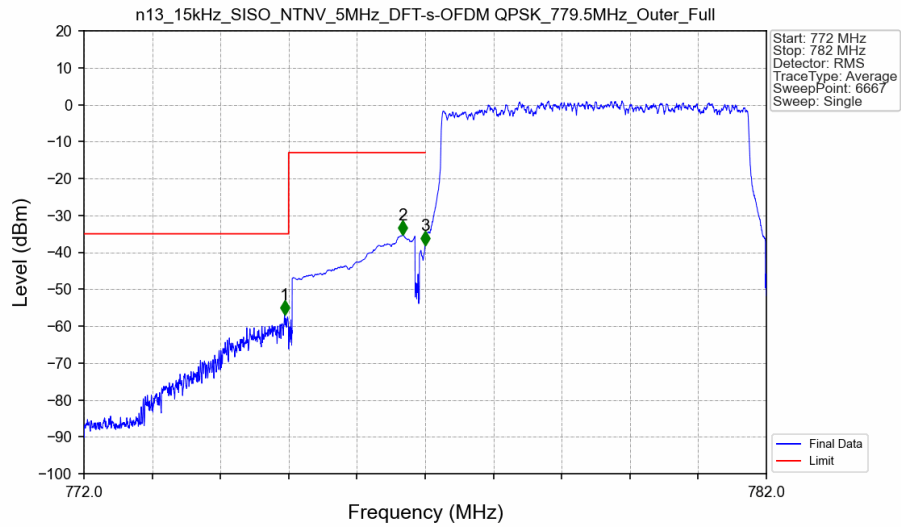
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	750.600	-55.74	-13	Pass
758	763	0.1	/	2	758.850	-72.03	-13	Pass
763	775	0.1	/	3	767.000	-69.77	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.300	-69.25	-13	Pass
793	805	0.1	/	5	799.300	-68.48	-35	Pass
805	810	0.1	/	6	806.000	-63.54	-13	Pass
810	1000	0.1	/	7	924.400	-69.31	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_779.5MHz_Edge_1RB_Left Ant7



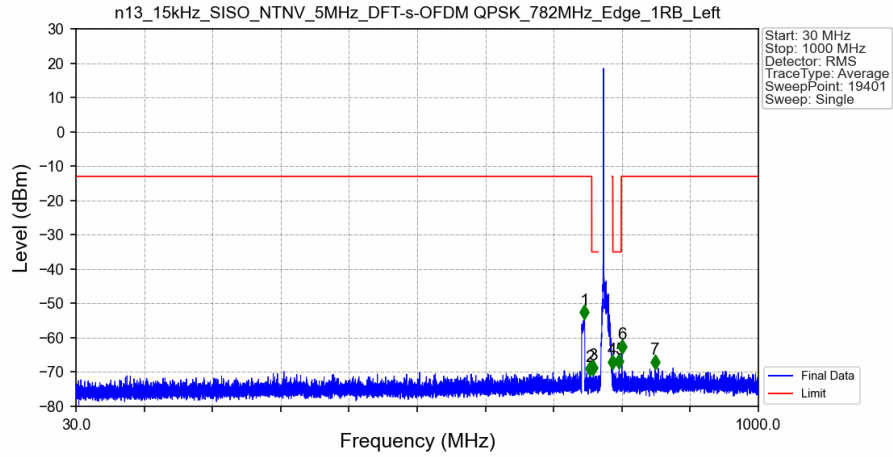
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-66.09	-13	Pass
1000	7870	1	/	2	3733.000	-50.98	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_779.5MHz_Outer_Full Ant7



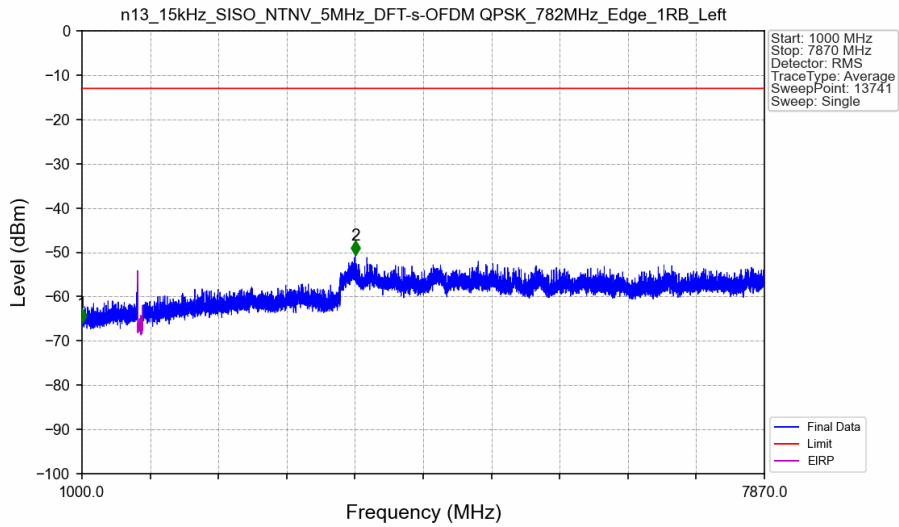
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.939	-56.79	-35	Pass
775	776.9	0.1	CHP	2	776.673	-35.22	-13	Pass
776.9	777	0.03	CHP	3	776.999	-38.03	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_782MHz_Edge_1RB_Left_Ant7



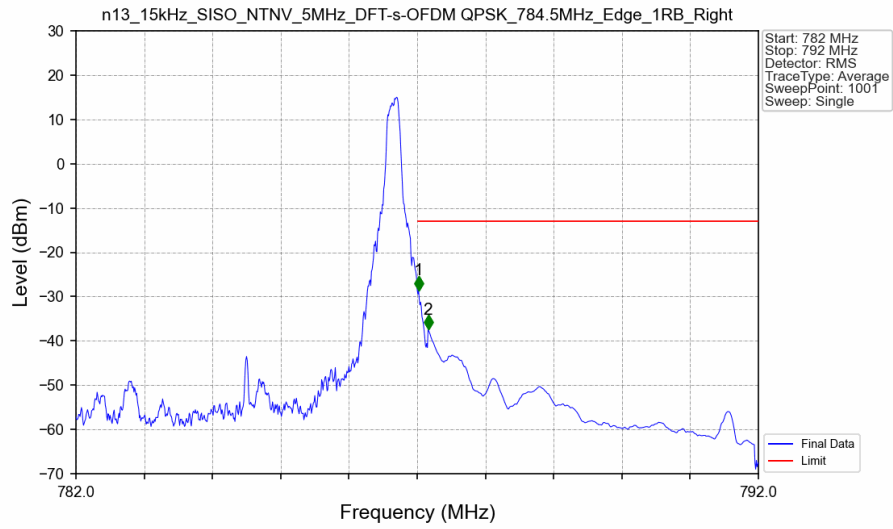
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	752.800	-54.24	-13	Pass
758	763	0.1	/	2	760.350	-70.69	-13	Pass
763	775	0.1	/	3	765.200	-70.37	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.300	-68.76	-13	Pass
793	805	0.1	/	5	802.100	-68.66	-35	Pass
805	810	0.1	/	6	806.000	-64.23	-13	Pass
810	1000	0.1	/	7	853.300	-68.72	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_782MHz_Edge_1RB_Left_Ant7



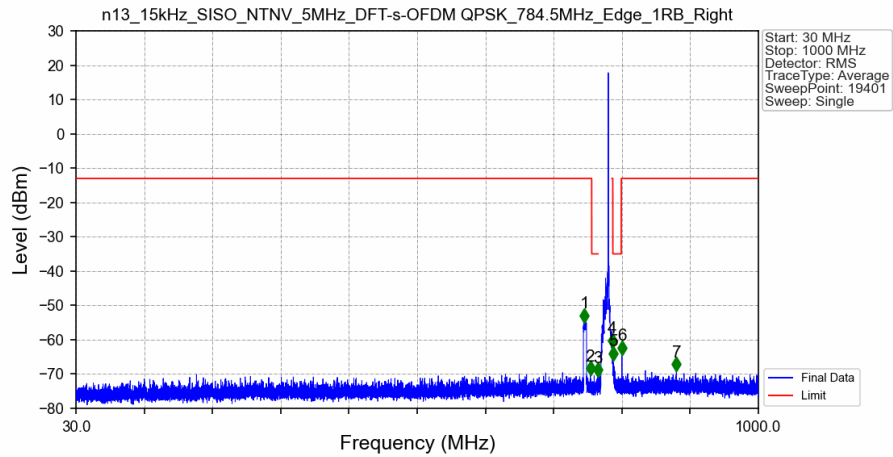
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-65.93	-13	Pass
1000	7870	1	/	2	3750.500	-50.64	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_784.5MHz_Edge_1RB_Right_Ant7



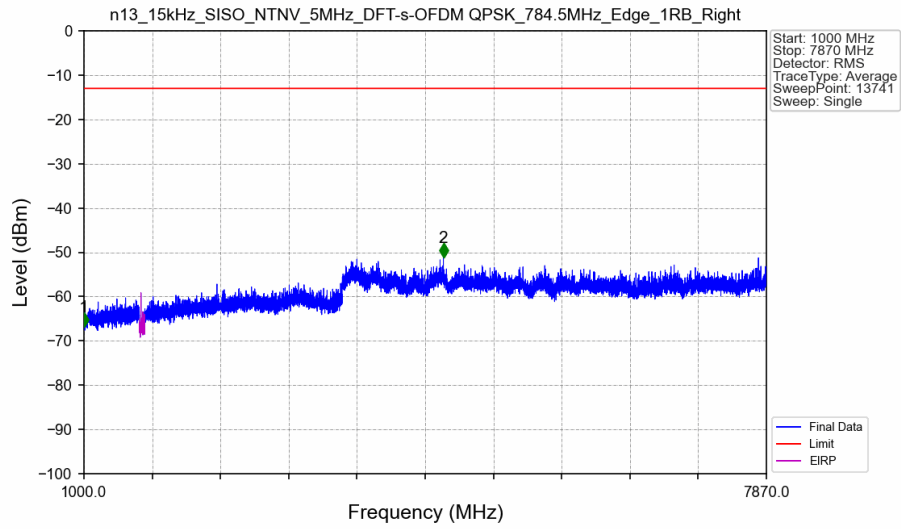
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.020	-28.51	-13	Pass
787.1	792	0.1	CHP	2	787.160	-37.31	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_784.5MHz_Edge_1RB_Right_Ant7



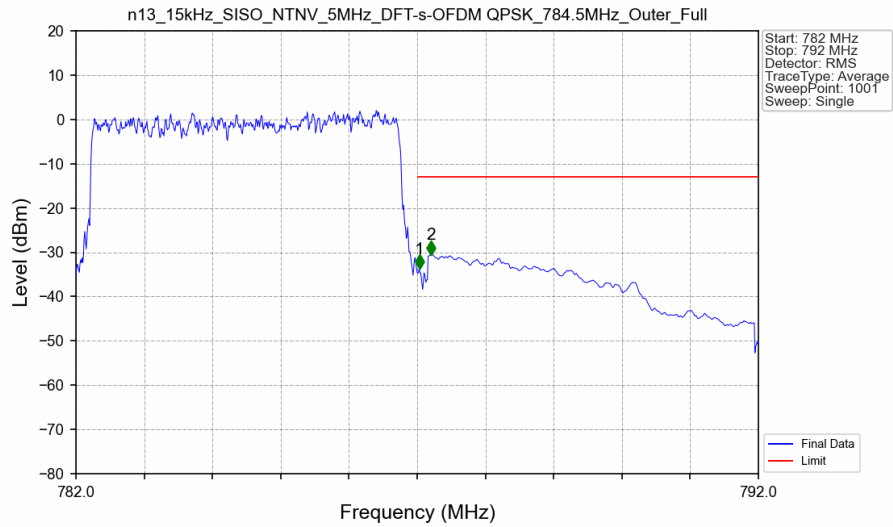
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	752.550	-54.60	-13	Pass
758	763	0.1	/	2	761.150	-69.98	-13	Pass
763	775	0.1	/	3	771.700	-70.51	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.100	-61.94	-13	Pass
793	805	0.1	/	5	793.050	-65.69	-35	Pass
805	810	0.1	/	6	806.000	-64.01	-13	Pass
810	1000	0.1	/	7	883.500	-68.88	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_784.5MHz_Edge_1RB_Right_Ant7



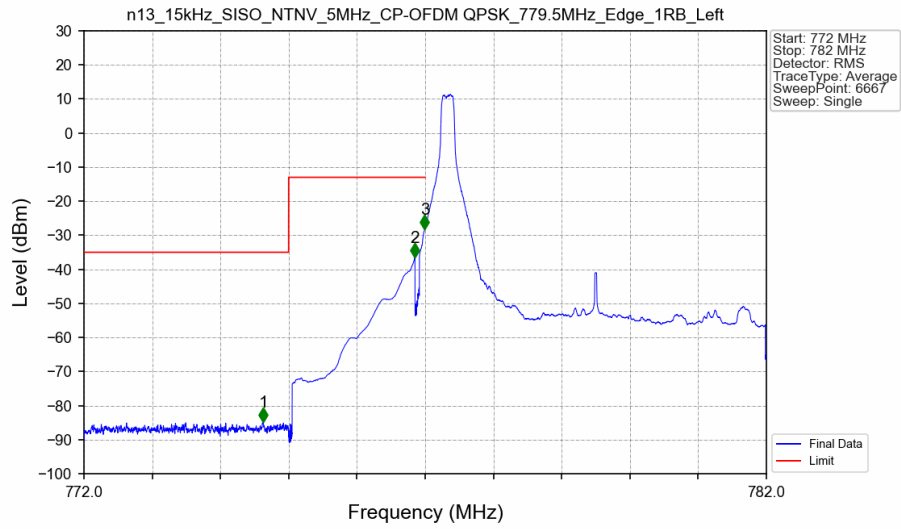
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-66.84	-13	Pass
1000	7870	1	/	2	4618.000	-51.18	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_784.5MHz_Outer_Full_Ant7



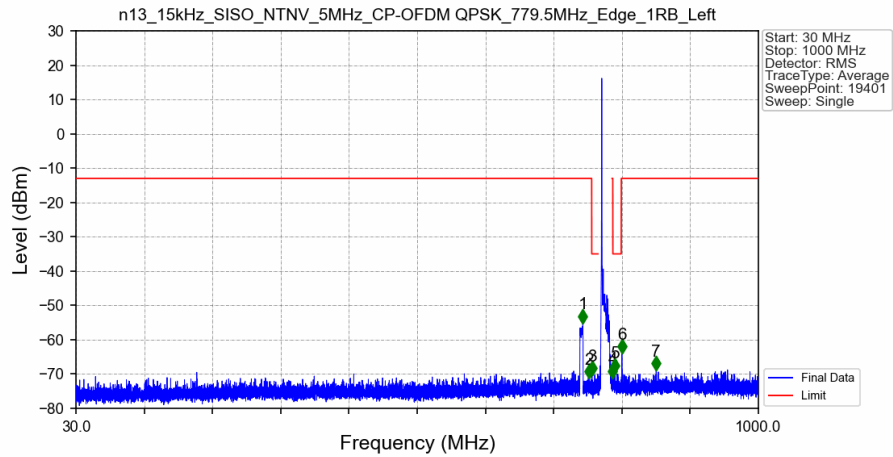
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.030	-33.68	-13	Pass
787.1	792	0.1	CHP	2	787.200	-30.49	-13	Pass

n13 15kHz SISO NTN 5MHz CP-OFDM QPSK 779.5MHz Edge 1RB Left Ant7



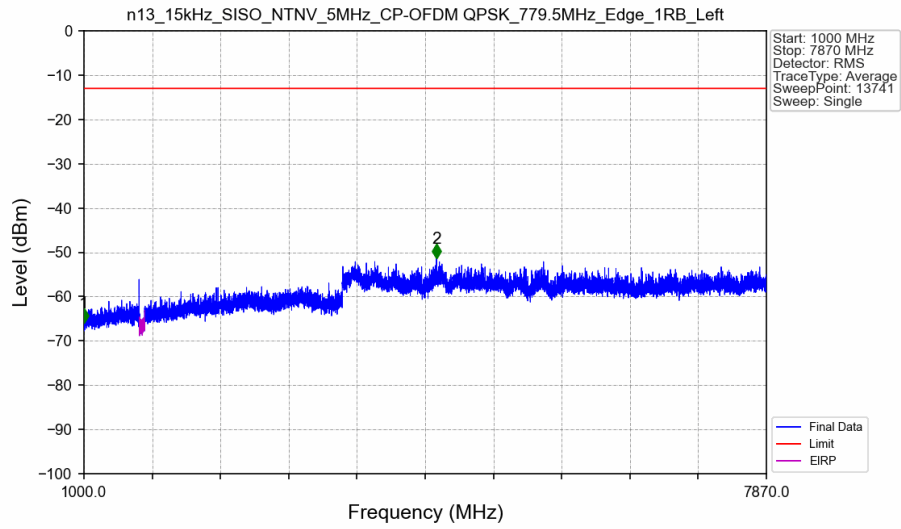
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.627	-84.78	-35	Pass
775	776.9	0.1	CHP	2	776.850	-36.39	-13	Pass
776.9	777	0.03	CHP	3	776.994	-28.20	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13 15kHz SISO NTN 5MHz CP-OFDM QPSK 779.5MHz Edge 1RB Left Ant7



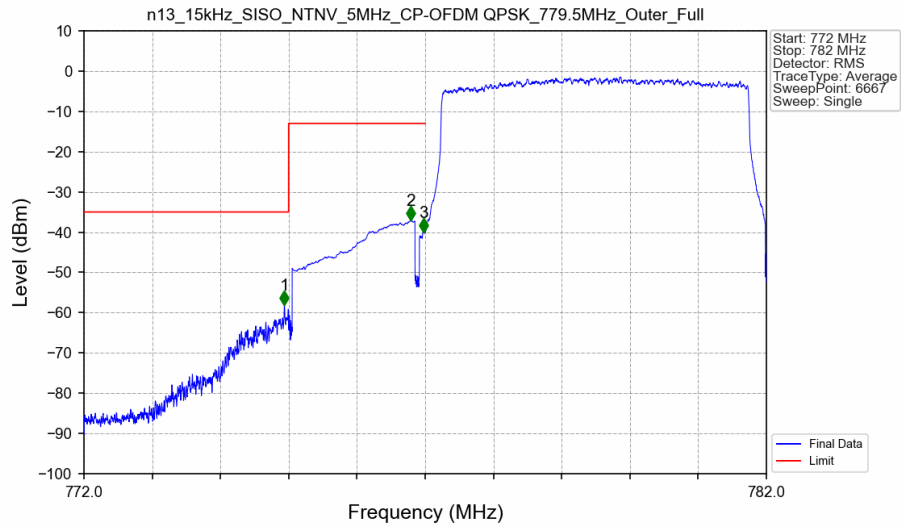
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	750.450	-54.86	-13	Pass
758	763	0.1	/	2	759.650	-70.98	-13	Pass
763	775	0.1	/	3	763.450	-70.01	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.550	-70.83	-13	Pass
793	805	0.1	/	5	796.000	-69.17	-35	Pass
805	810	0.1	/	6	806.000	-63.62	-13	Pass
810	1000	0.1	/	7	854.700	-68.60	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_779.5MHz_Edge_1RB_Left_Ant7



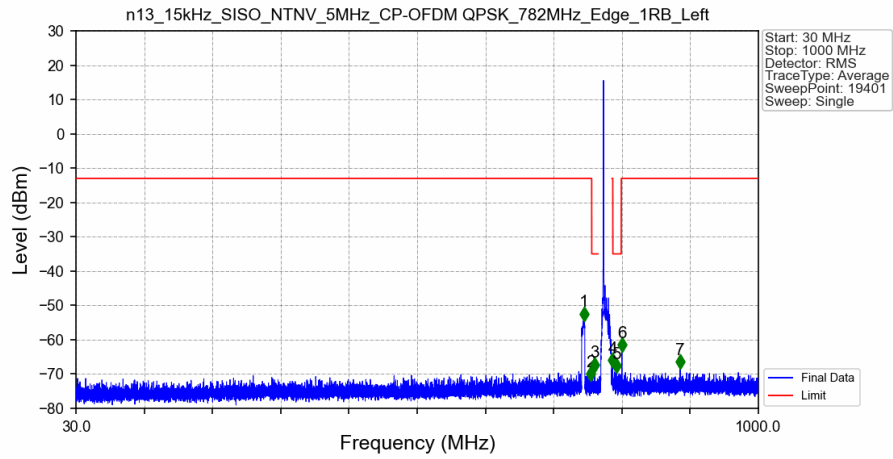
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-65.90	-13	Pass
1000	7870	1	/	2	4548.500	-51.28	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_779.5MHz_Outer_Full_Ant7



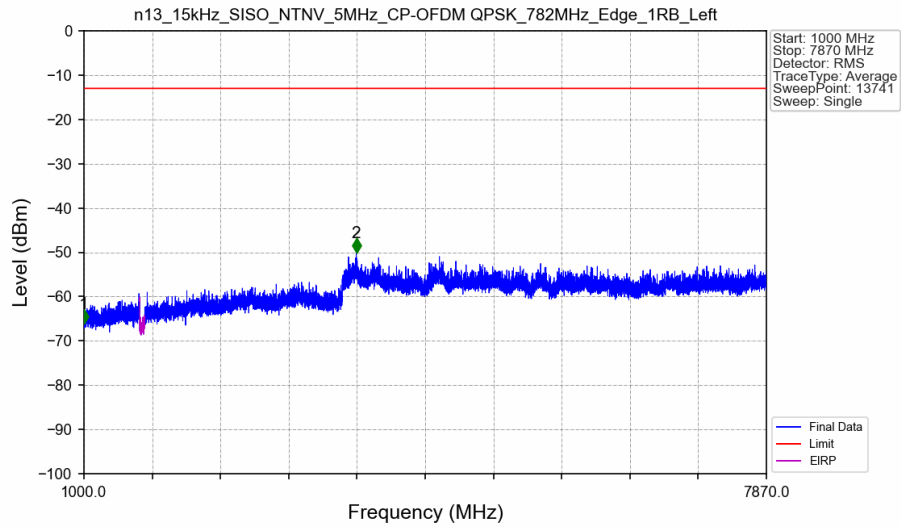
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.937	-58.10	-35	Pass
775	776.9	0.1	CHP	2	776.785	-37.09	-13	Pass
776.9	777	0.03	CHP	3	776.979	-39.97	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_782MHz_Edge_1RB_Left_Ant7



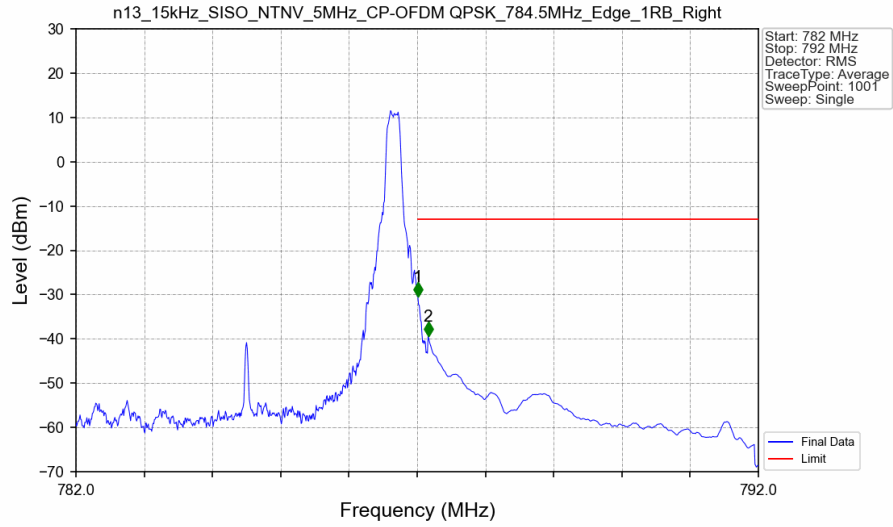
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	752.300	-54.18	-13	Pass
758	763	0.1	/	2	761.500	-71.59	-13	Pass
763	775	0.1	/	3	767.200	-68.93	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.550	-67.61	-13	Pass
793	805	0.1	/	5	798.150	-69.33	-35	Pass
805	810	0.1	/	6	806.000	-63.19	-13	Pass
810	1000	0.1	/	7	888.750	-68.18	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_782MHz_Edge_1RB_Left_Ant7



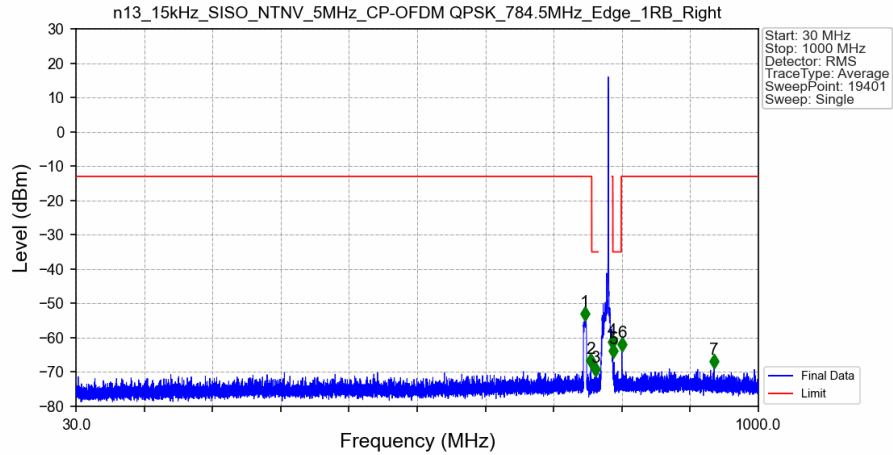
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-66.08	-13	Pass
1000	7870	1	/	2	3741.000	-50.11	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_784.5MHz_Edge_1RB_Right_Ant7



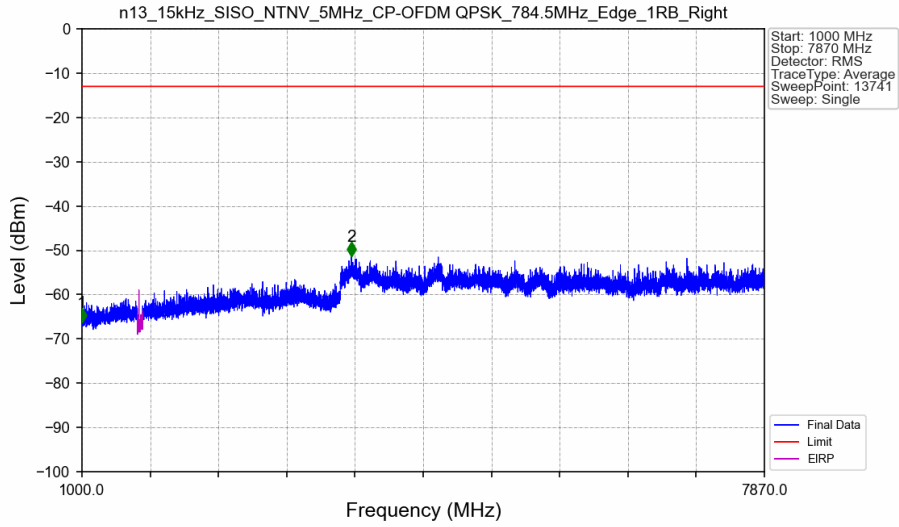
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.010	-30.39	-13	Pass
787.1	792	0.1	CHP	2	787.160	-39.29	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_784.5MHz_Edge_1RB_Right_Ant7



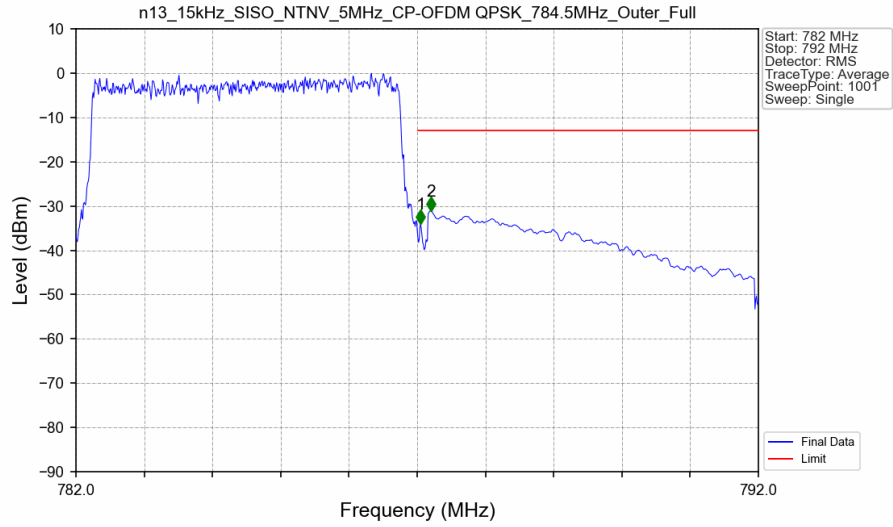
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	753.550	-54.76	-13	Pass
758	763	0.1	/	2	761.900	-68.32	-13	Pass
763	775	0.1	/	3	767.850	-70.90	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.400	-63.03	-13	Pass
793	805	0.1	/	5	793.200	-65.47	-35	Pass
805	810	0.1	/	6	806.000	-63.72	-13	Pass
810	1000	0.1	/	7	937.050	-68.62	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_784.5MHz_Edge_1RB_Right_Ant7



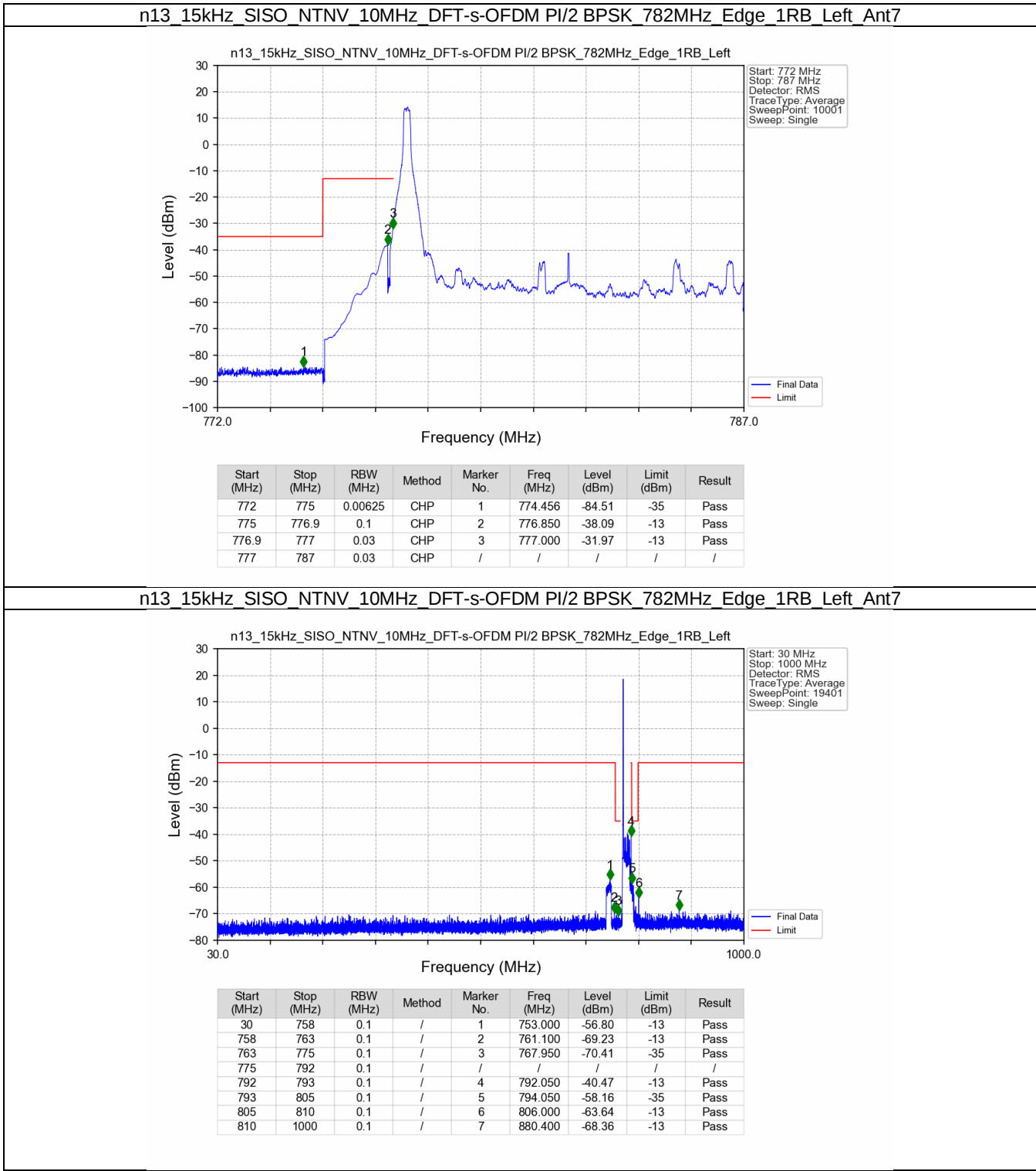
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-66.16	-13	Pass
1000	7870	1	/	2	3712.500	-51.34	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_784.5MHz_Outer_Full_Ant7

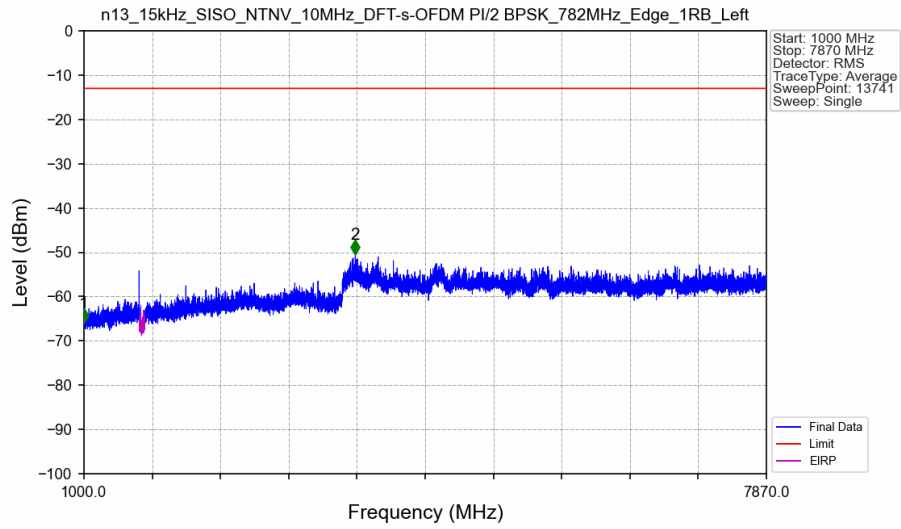


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.050	-34.01	-13	Pass
787.1	792	0.1	CHP	2	787.200	-31.09	-13	Pass

5.2.2 15k_SISO_10MHz_NTNV

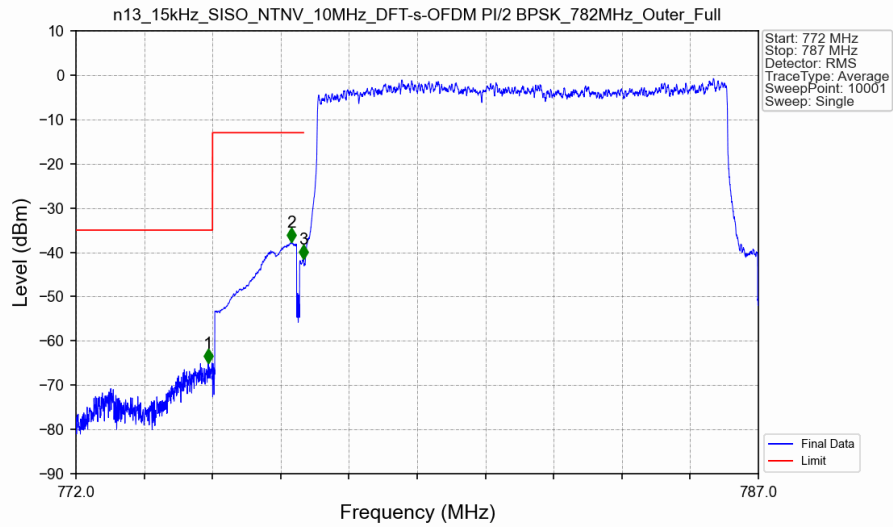


n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Edge_1RB_Left Ant7



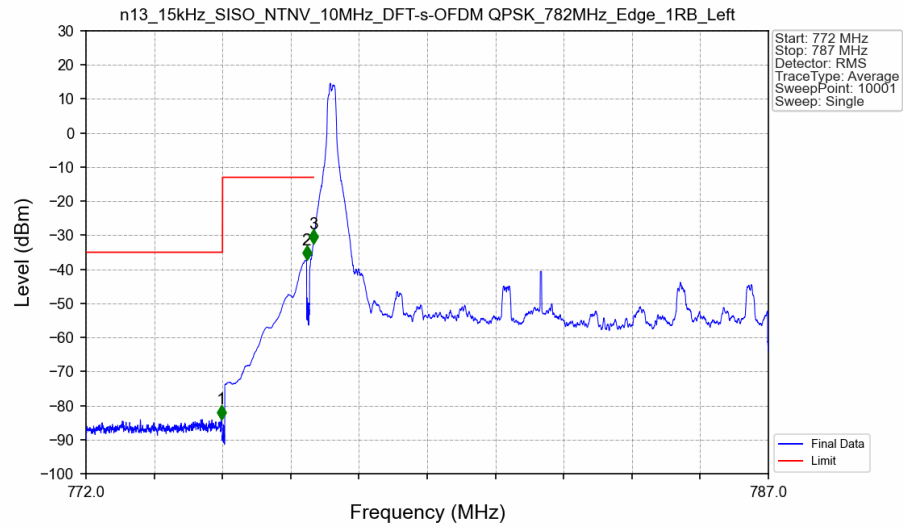
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-65.83	-13	Pass
1000	7870	1	/	2	3731.500	-50.44	-13	Pass

n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Outer_Full Ant7



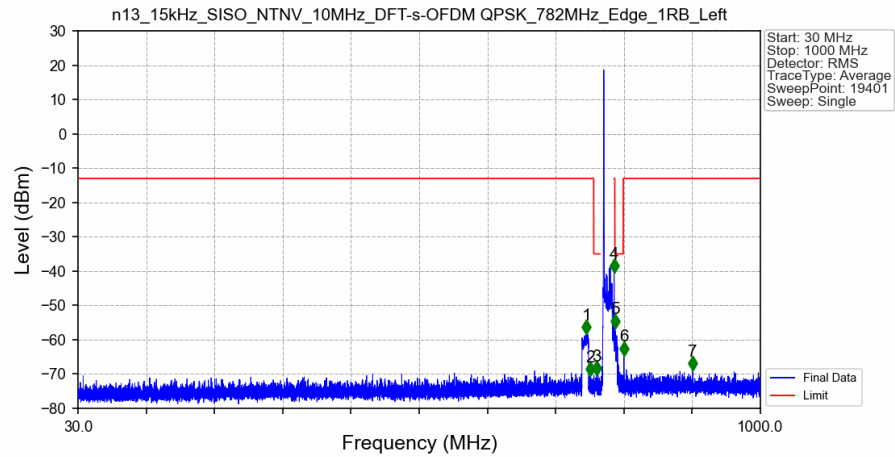
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.907	-64.98	-35	Pass
775	776.9	0.1	CHP	2	776.734	-37.67	-13	Pass
776.9	777	0.03	CHP	3	777.000	-41.51	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

n13 15kHz SISO NTV 10MHz DFT-s-OFDM QPSK 782MHz Edge 1RB Left Ant7



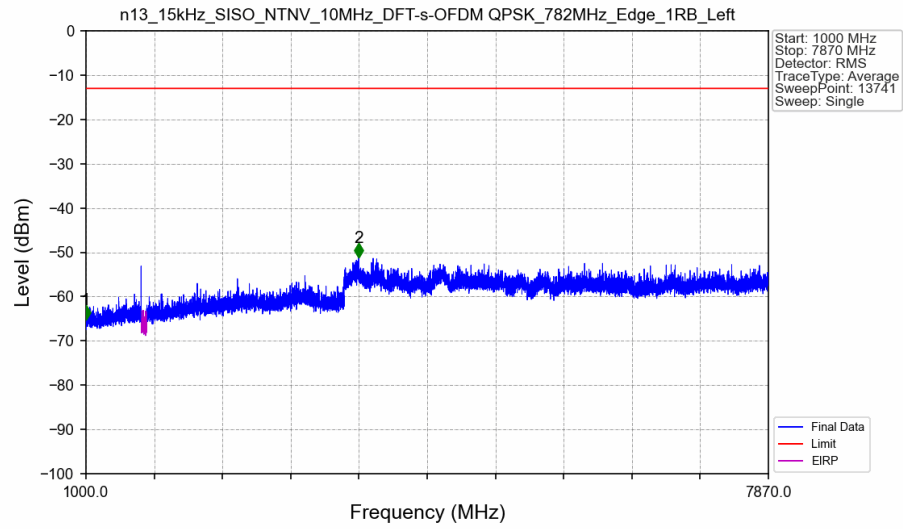
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.971	-83.95	-35	Pass
775	776.9	0.1	CHP	2	776.850	-37.26	-13	Pass
776.9	777	0.03	CHP	3	777.000	-32.37	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

n13 15kHz SISO NTV 10MHz DFT-s-OFDM QPSK 782MHz Edge 1RB Left Ant7



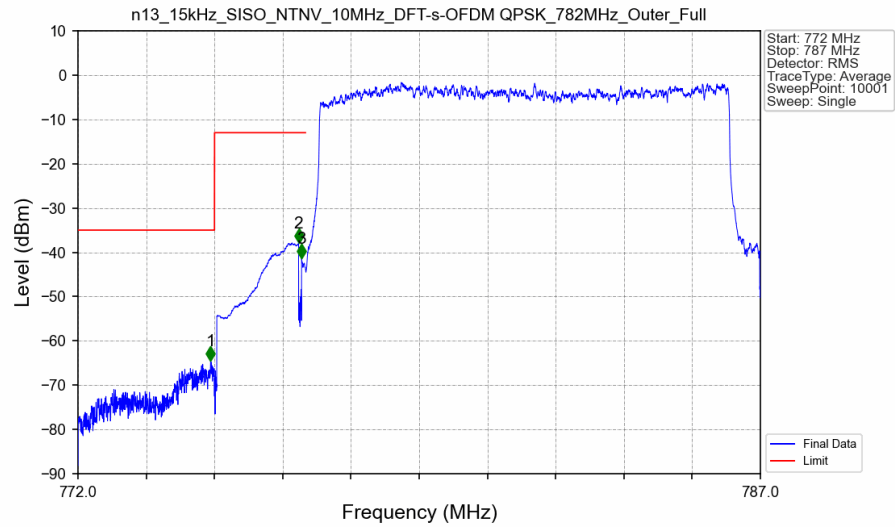
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	752.800	-58.09	-13	Pass
758	763	0.1	/	2	758.250	-70.27	-13	Pass
763	775	0.1	/	3	766.850	-70.07	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.050	-40.11	-13	Pass
793	805	0.1	/	5	793.250	-56.25	-35	Pass
805	810	0.1	/	6	806.000	-64.24	-13	Pass
810	1000	0.1	/	7	903.850	-68.65	-13	Pass

n13 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 782MHz Edge 1RB Left Ant7



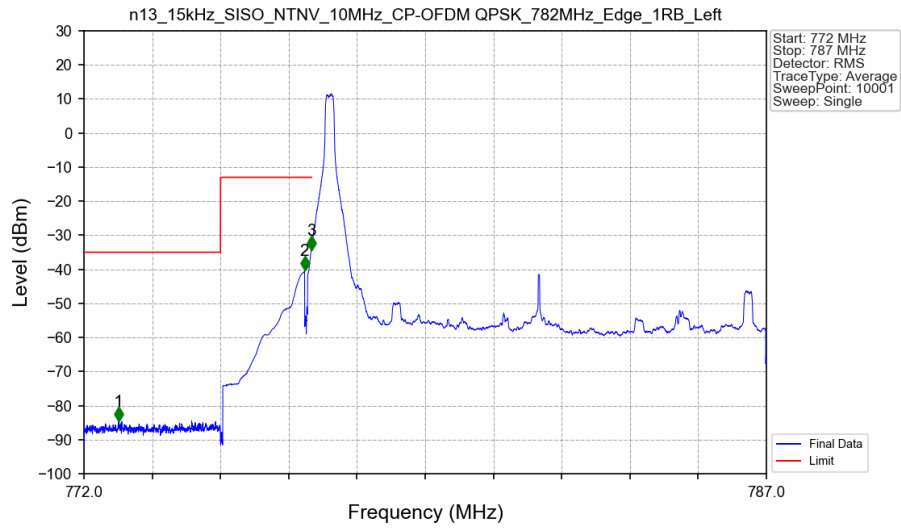
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-65.21	-13	Pass
1000	7870	1	/	2	3745.500	-51.21	-13	Pass

n13 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 782MHz Outer_Full Ant7



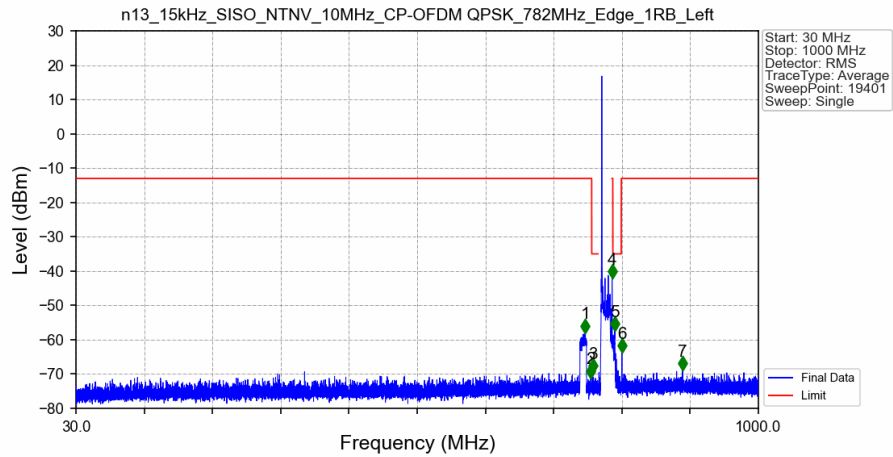
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.916	-64.42	-35	Pass
775	776.9	0.1	CHP	2	776.850	-37.84	-13	Pass
776.9	777	0.03	CHP	3	776.915	-41.38	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

n13 15kHz SISO NTN 10MHz CP-OFDM QPSK 782MHz Edge 1RB Left Ant7



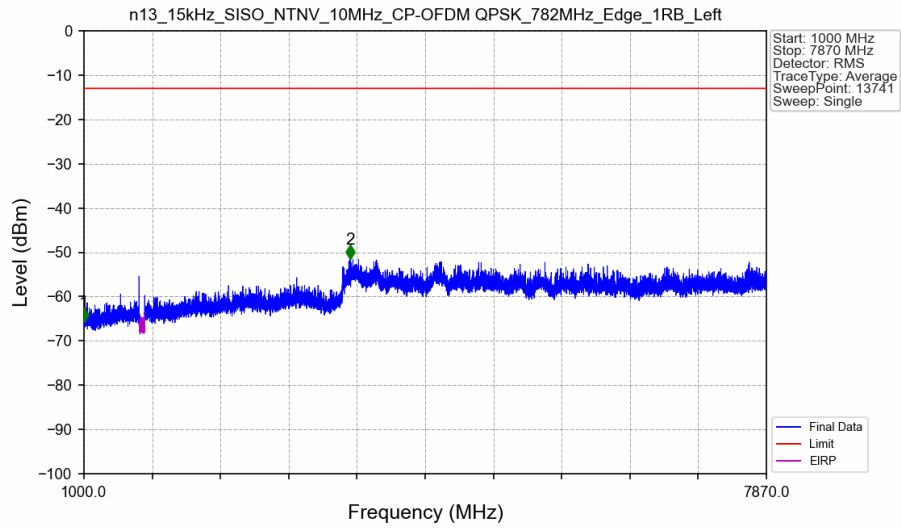
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	772.756	-84.43	-35	Pass
775	776.9	0.1	CHP	2	776.850	-40.35	-13	Pass
776.9	777	0.03	CHP	3	777.000	-34.23	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

n13 15kHz SISO NTN 10MHz CP-OFDM QPSK 782MHz Edge 1RB Left Ant7



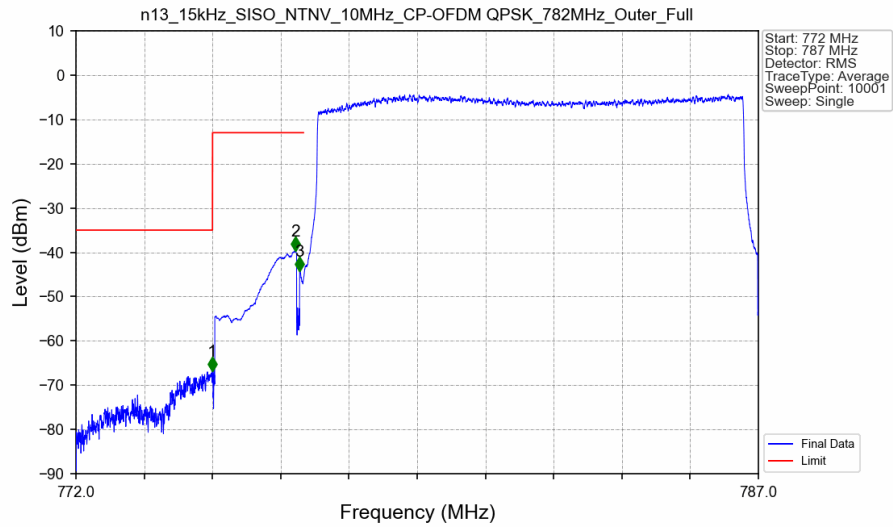
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	754.000	-57.66	-13	Pass
758	763	0.1	/	2	761.300	-70.84	-13	Pass
763	775	0.1	/	3	764.450	-69.38	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.050	-41.84	-13	Pass
793	805	0.1	/	5	795.900	-57.12	-35	Pass
805	810	0.1	/	6	806.000	-63.39	-13	Pass
810	1000	0.1	/	7	892.150	-68.55	-13	Pass

n13 15kHz SISO NTN 10MHz CP-OFDM QPSK 782MHz Edge 1RB Left Ant7



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-65.72	-13	Pass
1000	7870	1	/	2	3680.000	-51.56	-13	Pass

n13 15kHz SISO NTN 10MHz CP-OFDM QPSK 782MHz Outer_Full Ant7



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.995	-66.82	-35	Pass
775	776.9	0.1	CHP	2	776.822	-39.68	-13	Pass
776.9	777	0.03	CHP	3	776.917	-44.19	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

6. Field Strength of Spurious Radiation

NR N13-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1555.0	-71.36	-13	-58.36	-74.5	2.6	5.74	Horizontal	Pass
2332.5	-70.09	-13	-57.09	-72.55	2.96	5.42	Horizontal	Pass
3110.0	-67.12	-13	-54.12	-71.12	3.2	7.2	Horizontal	Pass
1555.0	-70.67	-13	-57.67	-73.81	2.6	5.74	Vertical	Pass
2332.5	-70.02	-13	-57.02	-72.48	2.96	5.42	Vertical	Pass
3110.0	-67.44	-13	-54.44	-71.44	3.2	7.2	Vertical	Pass

NR N13-Low channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1554.5	-70.89	-13	-57.89	-74.03	2.6	5.74	Horizontal	Pass
2331.75	-69.85	-13	-56.85	-72.31	2.96	5.42	Horizontal	Pass
3109.0	-67.49	-13	-54.49	-71.48	3.2	7.19	Horizontal	Pass
1554.5	-71.11	-13	-58.11	-74.25	2.6	5.74	Vertical	Pass
2331.75	-69.8	-13	-56.8	-72.26	2.96	5.42	Vertical	Pass
3109.0	-67.48	-13	-54.48	-71.47	3.2	7.19	Vertical	Pass

NR N13-Middle channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1559.5	-70.88	-40	-30.88	-74.01	2.6	5.73	Horizontal	Pass
2339.25	-69.85	-13	-56.85	-72.32	2.96	5.43	Horizontal	Pass
3119.0	-67.23	-13	-54.23	-71.24	3.21	7.22	Horizontal	Pass
1559.5	-70.9	-40	-30.9	-74.03	2.6	5.73	Vertical	Pass
2339.25	-69.79	-13	-56.79	-72.26	2.96	5.43	Vertical	Pass
3119.0	-67.61	-13	-54.61	-71.62	3.21	7.22	Vertical	Pass

NR N13-High channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1564.5	-70.88	-40	-30.88	-74.0	2.6	5.72	Horizontal	Pass
2346.75	-69.89	-13	-56.89	-72.37	2.97	5.45	Horizontal	Pass
3129.0	-67.11	-13	-54.11	-71.14	3.21	7.24	Horizontal	Pass
1564.5	-71.14	-40	-31.14	-74.26	2.6	5.72	Vertical	Pass
2346.75	-69.77	-13	-56.77	-72.25	2.97	5.45	Vertical	Pass
3129.0	-67.5	-13	-54.5	-71.53	3.21	7.24	Vertical	Pass